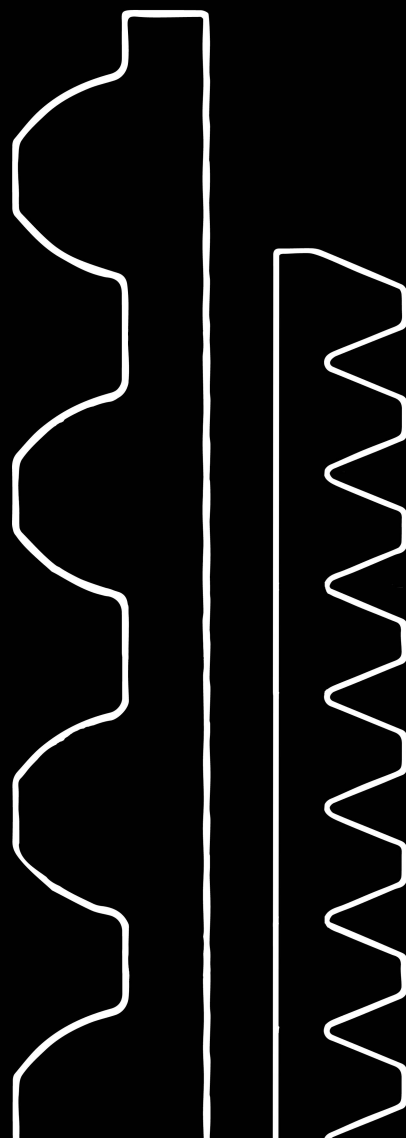




# GATES BELT CATALOGUE



# INDUSTRIAL PRODUCTS FOR POWER TRANSMISSION



*Gates* | DRIVEN BY POSSIBILITY™



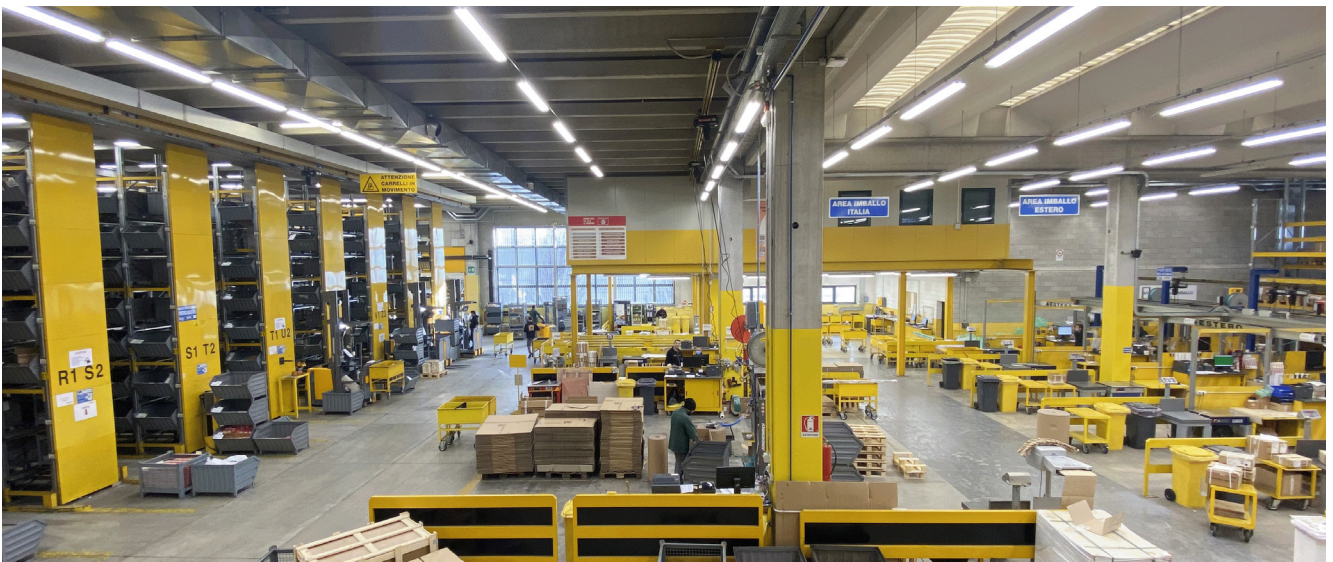
Chiaravalli Group SpA, today a primary actor in the industrial transmission sector, was born in the 1950s thanks to the technical and entrepreneurial skills of its founder, **Silvio Chiaravalli**.

The Chiaravalli brand soon became synonymous with quality and technological innovation in the industrial mechanics sector.

The awareness of working in an ever-changing market led Chiaravalli Group SpA to choose the constant dialogue with its customers as a winning strategy, offering its many years of experience and its dedication in producing always abreast of times.

Today, the group consists of four sales divisions and a production division, through which we offer components for the industrial, both standard and specialised, food and motorbike industries.

A wide range of products through which we strive to be a reference point for the activities of our customers and not just mere suppliers.





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# **1. V-BELTS**

# DELTA RANGE



DRIVEN BY POSSIBILITY™

With Gates you are fully equipped to run strong, whatever you need. Besides our wide range of premium belts, we now also offer you Gates Delta standard V-belts. These standard V-belts stand for a sharp price and performance in combination with trusted Gates quality. They provide the cost-effective solution for drive systems in all industries. Gates Delta belts are made to run.

## CONSTRUCTION

- High-quality rubber belt body.
- High-strength polyester tensile cords providing resistance to flexing forces, fatigue and shock loads.
- Double layered fabric offering good grip and protection against abrasion.
- Good belt flexibility, stability and smooth running operation guaranteed.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.

## BENEFITS

- Made by Gates.  
Delta is a 100% Gates brand.
- Made in Europe.  
Trusted quality, 100% made in our own Gates European factories.
- Made to deliver.  
Two V-belt profiles in a complete size range available at sharp prices.

## PRODUCT FEATURES

- **Match** system: all sizes meet Gates **UNISER** tolerances: they can be installed without matching.
- Excellent price/performance ratio.
- Trusted Gates quality that equals peace of mind.
- Made to run in all standard industrial drive systems.
- REACH and RoHS 2 compliant.
- Belts available in all popular sections and belt lengths.
- Specified to operate in a temperature range from -30°C to +70°C.



# DELTA RANGE

| DRIVEN BY POSSIBILITY™

## DELTA CLASSIC™

Delta Classic™ V-belts have a classical V-shaped profile and are built to offer reliable and durable performance on all standard industrial drive systems used in compressors, pumps, alternators, saw, milling, and processing machines.

Just to name a few.

Ordering code
C62DELTA C - Section 62 - Inside length (inches) DELTA - Product name
Identification
Permanent green marking indicating the belt type and white marking indicating the belt dimensions.

For a list of dimensions, refer to page 112.

Sections and nominal dimensions			
Section	Width (mm)	Height (mm)	Length range (inside length - mm)
Z	10	6	400 – 1 803
A	13	8	425 – 5 000
B	17	11	660 – 7 110
C	22	14	1 092 – 8 532
D	32	19	2 000 – 15 240
E	38	25	3 748 – 13 918

## DELTA NARROW

Delta Narrow™ V-belts have a narrow section profile, making them the perfect option for all industrial drive systems featuring narrow or deep wedge.

Ordering code
SPA732DELTA SPA - Section 732 - Datum length (mm) DELTA - Product name
Identification
Permanent orange marking indicating the belt type and white marking indicating the belt dimensions.

Sections and nominal dimensions			
Section	Width (mm)	Height (mm)	Length range (datum length - mm)
SPZ	10	8	562 – 3 550
SPA	13	10	732 – 4 500
SPB	16	13	1 250 – 8 000
SPC	22	18	2 000 – 11 200

# DELTA CLASSIC™

CLASSICAL V-BELT



DRIVEN BY POSSIBILITY™

## Z

Description	Inside length	Datum length
	mm	mm
Z16DELTA	413	435
Z17.5DELTA	438	460
Z18.5DELTA	478	500
Z19.5DELTA	493	515
Z20DELTA	508	530
Z20.5DELTA	521	543
Z21DELTA	533	555
Z22.5DELTA	568	590
Z23DELTA	578	600
Z24DELTA	608	630
Z25DELTA	635	657
Z25.5DELTA	648	670
Z26.5DELTA	668	690
Z27DELTA	688	710
Z28DELTA	703	725
Z29DELTA	733	755
Z30DELTA	765	787
Z30.5DELTA	778	800
Z31DELTA	788	810
Z32.5DELTA	828	850
Z33.5DELTA	853	875
Z34.5DELTA	878	900
Z36DELTA	913	935
Z36.5DELTA	928	950
Z37.5DELTA	948	970
Z38.5DELTA	978	1 000
Z39.5DELTA	998	1 020
Z41DELTA	1 038	1 060
Z41.5DELTA	1 050	1 072
Z43DELTA	1 098	1 120
Z44DELTA	1 123	1 145
Z45DELTA	1 143	1 165
Z45.5DELTA	1 158	1 180
Z46DELTA	1 168	1 190
Z47DELTA	1 193	1 215
Z48DELTA	1 223	1 245
Z48.5DELTA	1 228	1 250
Z49DELTA	1 245	1 267
Z50DELTA	1 273	1 295
Z51DELTA	1 298	1 320
Z52DELTA	1 318	1 340
Z53DELTA	1 348	1 370
Z54DELTA	1 378	1 400
Z55DELTA	1 398	1 420
Z57DELTA	1 448	1 470
Z58DELTA	1 478	1 500
Z59DELTA	1 498	1 520
Z60DELTA	1 523	1 545
Z61DELTA	1 553	1 575
Z62DELTA	1 578	1 600
Z63DELTA	1 603	1 625
Z65DELTA	1 653	1 675
Z66DELTA	1 678	1 700
Z67DELTA	1 703	1 725
Z69DELTA	1 753	1 775
Z70DELTA	1 778	1 800
Z71DELTA	1 803	1 825





# DELTA CLASSIC™

CLASSICAL V-BELT



DRIVEN BY POSSIBILITY™

## A

Description	Inside length	Datum length
	mm	mm
A18DELTA	457	487
A19DELTA	480	510
A20DELTA	510	540
A21DELTA	530	560
A22DELTA	560	590
A23DELTA	590	620
A23.5DELTA	600	630
A24DELTA	610	640
A25DELTA	640	670
A26DELTA	670	700
A27DELTA	690	720
A27.5DELTA	700	730
A28DELTA	710	740
A28.5DELTA	720	750
A29DELTA	735	765
A29.5DELTA	750	780
A30DELTA	770	800
A31DELTA	795	825
A32DELTA	820	850
A32.5DELTA	830	860
A33DELTA	840	870
A34DELTA	870	900
A35DELTA	890	920
A36DELTA	920	950
A37DELTA	940	970
A38DELTA	960	990
A38.5DELTA	970	1 000
A39DELTA	990	1 020
A40DELTA	1 010	1 040
A40.5DELTA	1 030	1 060
A41DELTA	1 040	1 070
A42DELTA	1 070	1 100
A43DELTA	1 090	1 120
A44DELTA	1 120	1 150
A45DELTA	1 150	1 180
A46DELTA	1 170	1 200
A46.5DELTA	1 180	1 210
A47DELTA	1 200	1 230
A48DELTA	1 220	1 250
A49DELTA	1 250	1 280
A50DELTA	1 270	1 300
A51DELTA	1 300	1 330
A52DELTA	1 320	1 350
A53DELTA	1 350	1 380
A54DELTA	1 370	1 400
A55DELTA	1 400	1 430
A56DELTA	1 425	1 455
A57DELTA	1 450	1 480
A58DELTA	1 470	1 500
A59DELTA	1 500	1 530
A60DELTA	1 520	1 550

Description	Inside length	Datum length
	mm	mm
A61DELTA	1 550	1 580
A62DELTA	1 580	1 610
A63DELTA	1 610	1 640
A64DELTA	1 630	1 660
A65DELTA	1 660	1 690
A65.5DELTA	1 670	1 700
A66DELTA	1 680	1 710
A67DELTA	1 710	1 740
A68DELTA	1 730	1 760
A69DELTA	1 760	1 790
A69.5DELTA	1 770	1 800
A70DELTA	1 780	1 810
A71DELTA	1 810	1 840
A72DELTA	1 830	1 860
A73DELTA	1 860	1 890
A73.5DELTA	1 870	1 900
A74DELTA	1 890	1 920
A75DELTA	1 910	1 940
A76DELTA	1 930	1 960
A77DELTA	1 960	1 990
A77.5DELTA	1 970	2 000
A78DELTA	1 980	2 010
A79DELTA	2 010	2 040
A80DELTA	2 032	2 062
A81DELTA	2 060	2 090
A82DELTA	2 090	2 120
A83DELTA	2 110	2 140
A84DELTA	2 140	2 170
A85DELTA	2 170	2 200
A86DELTA	2 190	2 220
A87DELTA	2 210	2 240
A88DELTA	2 240	2 270
A89DELTA	2 270	2 300
A90DELTA	2 290	2 320
A91DELTA	2 320	2 350
A92DELTA	2 340	2 370
A93DELTA	2 370	2 400
A94DELTA	2 390	2 420
A95DELTA	2 420	2 450
A96DELTA	2 450	2 480
A97DELTA	2 470	2 500
A98DELTA	2 500	2 530
A99DELTA	2 520	2 550
A100DELTA	2 540	2 570
A102DELTA	2 590	2 620
A103DELTA	2 620	2 650
A104DELTA	2 650	2 680
A105DELTA	2 670	2 700
A107DELTA	2 720	2 750
A108DELTA	2 745	2 775
A109DELTA	2 770	2 800

Description	Inside length	Datum length
	mm	mm
A110DELTA	2 800	2 830
A112DELTA	2 850	2 880
A114DELTA	2 896	2 926
A115DELTA	2 930	2 960
A116DELTA	2 950	2 980
A118DELTA	3 000	3 030
A120DELTA	3 050	3 080
A123DELTA	3 120	3 150
A124DELTA	3 150	3 180
A128DELTA	3 250	3 280
A130DELTA	3 305	3 335
A132DELTA	3 350	3 380
A136DELTA	3 455	3 485
A140DELTA	3 555	3 585
A144DELTA	3 660	3 690
A148DELTA	3 750	3 780
A158DELTA	4 015	4 045
A167DELTA	4 245	4 275
A187DELTA	4 750	4 780
A197DELTA	5 000	5 030

# DELTA CLASSIC™

CLASSICAL V-BELT



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## B

Description	Inside length	Datum length
	mm	mm
B26DELTA	660	700
B27DELTA	690	730
B28DELTA	710	750
B29DELTA	730	770
B30DELTA	760	800
B31DELTA	790	830
B32DELTA	820	860
B33DELTA	840	880
B33.5DELTA	850	890
B35DELTA	890	930
B35.5DELTA	905	945
B36DELTA	920	960
B36.5DELTA	930	970
B37DELTA	950	990
B37.5DELTA	960	1 000
B38DELTA	970	1 010
B38.5DELTA	980	1 020
B39DELTA	990	1 030
B40DELTA	1 020	1 060
B41DELTA	1 040	1 080
B41.5DELTA	1 060	1 100
B42DELTA	1 070	1 110
B42.5DELTA	1 080	1 120
B43DELTA	1 090	1 130
B43.5DELTA	1 105	1 145
B44DELTA	1 120	1 160
B45DELTA	1 150	1 190
B46DELTA	1 170	1 210
B47DELTA	1 200	1 240
B47.5DELTA	1 210	1 250
B48DELTA	1 220	1 260
B49DELTA	1 250	1 290
B50DELTA	1 280	1 320
B51DELTA	1 300	1 340
B52DELTA	1 330	1 370
B53DELTA	1 350	1 390
B54DELTA	1 370	1 410
B55DELTA	1 400	1 440
B56DELTA	1 420	1 460
B57DELTA	1 450	1 490
B57.5DELTA	1 460	1 500
B58DELTA	1 470	1 510
B59DELTA	1 500	1 540
B60DELTA	1 520	1 560
B61DELTA	1 550	1 590
B61.5DELTA	1 560	1 600
B62DELTA	1 580	1 620
B63DELTA	1 600	1 640
B64DELTA	1 630	1 670
B65DELTA	1 660	1 700
B66DELTA	1 680	1 720

Description	Inside length	Datum length
	mm	mm
B67DELTA	1 700	1 740
B68DELTA	1 730	1 770
B69DELTA	1 760	1 800
B70DELTA	1 780	1 820
B71DELTA	1 810	1 850
B72DELTA	1 830	1 870
B73DELTA	1 860	1 900
B74DELTA	1 880	1 920
B75DELTA	1 910	1 950
B76DELTA	1 930	1 970
B77DELTA	1 960	2 000
B78DELTA	1 980	2 020
B79DELTA	2 010	2 050
B80DELTA	2 030	2 070
B81DELTA	2 060	2 100
B81.5DELTA	2 080	2 120
B82DELTA	2 090	2 130
B83DELTA	2 110	2 150
B84DELTA	2 140	2 180
B85DELTA	2 160	2 200
B86DELTA	2 190	2 230
B86.5DELTA	2 200	2 240
B87DELTA	2 210	2 250
B88DELTA	2 240	2 280
B89DELTA	2 260	2 300
B90DELTA	2 290	2 330
B91DELTA	2 310	2 350
B92DELTA	2 340	2 380
B93DELTA	2 360	2 400
B94DELTA	2 380	2 420
B95DELTA	2 410	2 450
B96DELTA	2 440	2 480
B97DELTA	2 460	2 500
B98DELTA	2 490	2 530
B99DELTA	2 520	2 560
B100DELTA	2 540	2 580
B101DELTA	2 570	2 610
B102DELTA	2 590	2 630
B103DELTA	2 610	2 650
B104DELTA	2 640	2 680
B105DELTA	2 660	2 700
B106DELTA	2 700	2 740
B107DELTA	2 725	2 765
B108DELTA	2 750	2 790
B108.5DELTA	2 760	2 800
B110DELTA	2 800	2 840
B112DELTA	2 850	2 890
B114DELTA	2 900	2 940
B115DELTA	2 925	2 965
B116DELTA	2 950	2 990
B116.5DELTA	2 960	3 000

Description	Inside length	Datum length
	mm	mm
B118DELTA	3 000	3 040
B120DELTA	3 050	3 090
B122.5DELTA	3 110	3 150
B124DELTA	3 150	3 190
B126DELTA	3 200	3 240
B128DELTA	3 250	3 290
B130DELTA	3 310	3 350
B132DELTA	3 360	3 400
B134DELTA	3 410	3 450
B136DELTA	3 460	3 500
B138DELTA	3 510	3 550
B140DELTA	3 560	3 600
B141DELTA	3 585	3 625
B142DELTA	3 610	3 650
B144DELTA	3 660	3 700
B146DELTA	3 710	3 750
B147DELTA	3 740	3 780
B148DELTA	3 760	3 800
B152DELTA	3 860	3 900
B154DELTA	3 910	3 950
B158DELTA	4 020	4 060
B160DELTA	4 070	4 110
B162DELTA	4 120	4 160
B167DELTA	4 240	4 280
B173DELTA	4 400	4 440
B175DELTA	4 450	4 490
B180DELTA	4 570	4 610
B187DELTA	4 750	4 790
B192DELTA	4 880	4 920
B195DELTA	4 960	5 000
B208DELTA	5 280	5 320
B210DELTA	5 330	5 370
B240DELTA	6 100	6 140
B248DELTA	6 300	6 340
B270DELTA	6 860	6 900
B280DELTA	7 110	7 150



# DELTA CLASSIC™

CLASSICAL V-BELT



DRIVEN BY POSSIBILITY™

## C

Description	Inside length	Datum length
	mm	mm
C43DELTA	1 092	1 150
C47DELTA	1 192	1 250
C48DELTA	1 222	1 280
C49DELTA	1 242	1 300
C51DELTA	1 292	1 350
C52DELTA	1 320	1 378
C53DELTA	1 342	1 400
C55DELTA	1 392	1 450
C56DELTA	1 422	1 480
C57DELTA	1 442	1 500
C58DELTA	1 472	1 530
C59DELTA	1 502	1 560
C60DELTA	1 522	1 580
C61DELTA	1 542	1 600
C62DELTA	1 572	1 630
C63DELTA	1 592	1 650
C65DELTA	1 642	1 700
C66DELTA	1 672	1 730
C67DELTA	1 702	1 760
C68DELTA	1 727	1 785
C69DELTA	1 752	1 810
C70DELTA	1 772	1 830
C71DELTA	1 802	1 860
C72DELTA	1 829	1 887
C72.5DELTA	1 842	1 900
C75DELTA	1 907	1 965
C76DELTA	1 932	1 990
C77DELTA	1 952	2 010
C78DELTA	1 982	2 040
C80DELTA	2 032	2 090
C81DELTA	2 052	2 110
C82DELTA	2 082	2 140
C83DELTA	2 102	2 160
C84DELTA	2 132	2 190
C85DELTA	2 162	2 220
C86DELTA	2 182	2 240
C88DELTA	2 232	2 290
C89DELTA	2 262	2 320
C90DELTA	2 282	2 340
C93DELTA	2 362	2 420
C94DELTA	2 382	2 440
C95DELTA	2 412	2 470
C96DELTA	2 432	2 490
C97DELTA	2 462	2 520
C98DELTA	2 492	2 550
C99DELTA	2 512	2 570
C100DELTA	2 542	2 600
C101DELTA	2 562	2 620
C102DELTA	2 592	2 650
C103DELTA	2 617	2 675
C104DELTA	2 642	2 700

Description	Inside length	Datum length
	mm	mm
C105DELTA	2 662	2 720
C106DELTA	2 692	2 750
C108DELTA	2 742	2 800
C110DELTA	2 792	2 850
C111DELTA	2 817	2 875
C112DELTA	2 842	2 900
C114DELTA	2 892	2 950
C115DELTA	2 922	2 980
C116DELTA	2 942	3 000
C117DELTA	2 967	3 025
C118DELTA	2 992	3 050
C120DELTA	3 042	3 100
C122DELTA	3 092	3 150
C124DELTA	3 152	3 210
C125DELTA	3 177	3 235
C128DELTA	3 252	3 310
C130DELTA	3 302	3 360
C132DELTA	3 352	3 410
C134DELTA	3 402	3 460
C136DELTA	3 462	3 520
C140DELTA	3 552	3 610
C144DELTA	3 652	3 710
C148DELTA	3 762	3 820
C153DELTA	3 887	3 945
C158DELTA	4 002	4 060
C162DELTA	4 112	4 170
C165DELTA	4 192	4 250
C167DELTA	4 242	4 300
C170DELTA	4 318	4 376
C173DELTA	4 392	4 450
C174DELTA	4 417	4 475
C175DELTA	4 442	4 500
C177DELTA	4 502	4 560
C180DELTA	4 572	4 630
C184DELTA	4 672	4 730
C185DELTA	4 702	4 760
C187DELTA	4 752	4 810
C190DELTA	4 822	4 880
C195DELTA	4 952	5 010
C197DELTA	5 002	5 060
C200DELTA	5 082	5 140
C204DELTA	5 182	5 240
C208DELTA	5 282	5 340
C210DELTA	5 334	5 392
C220DELTA	5 592	5 650
C221DELTA	5 617	5 675
C222DELTA	5 642	5 700
C225DELTA	5 712	5 770
C230DELTA	5 842	5 900
C238DELTA	6 042	6 100
C240DELTA	6 092	6 150

Description	Inside length	Datum length
	mm	mm
C245DELTA	6 222	6 280
C250DELTA	6 352	6 410
C255DELTA	6 477	6 535
C260DELTA	6 602	6 660
C265DELTA	6 732	6 790
C270DELTA	6 852	6 910
C275DELTA	6 982	7 040
C280DELTA	7 112	7 170
C285DELTA	7 242	7 300
C300DELTA	7 622	7 680
C305DELTA	7 747	7 805
C317DELTA	8 052	8 110
C324DELTA	8 232	8 290
C327DELTA	8 307	8 365
C336DELTA	8 532	8 590

# DELTA CLASSIC™

CLASSICAL V-BELT



DRIVEN BY POSSIBILITY™

## D

Description	Inside length	Datum length
	mm	mm
D79DELTA	2 000	2 075
D91DELTA	2 300	2 375
D93DELTA	2 360	2 435
D96DELTA	2 440	2 515
D98DELTA	2 500	2 575
D104DELTA	2 650	2 725
D110DELTA	2 800	2 875
D118DELTA	3 000	3 075
D120DELTA	3 050	3 125
D124DELTA	3 150	3 225
D126DELTA	3 200	3 275
D128DELTA	3 250	3 325
D132DELTA	3 350	3 425
D136DELTA	3 450	3 525
D140DELTA	3 550	3 625
D144DELTA	3 660	3 735
D148DELTA	3 750	3 825
D154DELTA	3 925	4 000
D156DELTA	3 960	4 035
D158DELTA	4 000	4 075
D162DELTA	4 115	4 190
D163DELTA	4 140	4 215
D167DELTA	4 250	4 325
D173DELTA	4 395	4 470
D177DELTA	4 500	4 575
D180DELTA	4 570	4 645
D181DELTA	4 595	4 670
D187DELTA	4 750	4 825
D195DELTA	4 953	5 028
D197DELTA	5 000	5 075
D208DELTA	5 300	5 375
D210DELTA	5 335	5 410
D220DELTA	5 600	5 675
D225DELTA	5 715	5 790
D233DELTA	5 925	6 000
D236DELTA	6 000	6 075
D240DELTA	6 100	6 175
D248DELTA	6 300	6 375
D250DELTA	6 350	6 425
D255DELTA	6 480	6 555
D264DELTA	6 700	6 775
D270DELTA	6 860	6 935
D280DELTA	7 110	7 185
D285DELTA	7 240	7 315
D295DELTA	7 500	7 575
D300DELTA	7 620	7 695
D315DELTA	8 000	8 075
D330DELTA	8 382	8 457
D335DELTA	8 500	8 575
D345DELTA	8 765	8 840
D354DELTA	9 000	9 075

Description	Inside length	Datum length
	mm	mm
D360DELTA	9 145	9 220
D374DELTA	9 500	9 575
D390DELTA	9 900	9 975
D394DELTA	10 000	10 075
D418DELTA	10 615	10 690
D441DELTA	11 200	11 275
D478DELTA	12 140	12 215
D492DELTA	12 500	12 575
D540DELTA	13 715	13 790
D600DELTA	15 240	15 315



# DELTA NARROW™

## NARROW SECTION V-BELTS



DRIVEN BY POSSIBILITY™

### SPZ

Description	Datum length
	mm
SPZ562DELTA	562
SPZ587DELTA	587
SPZ600DELTA	600
SPZ612DELTA	612
SPZ630DELTA	630
SPZ637DELTA	637
SPZ662DELTA	662
SPZ670DELTA	670
SPZ687DELTA	687
SPZ710DELTA	710
SPZ722DELTA	722
SPZ737DELTA	737
SPZ750DELTA	750
SPZ762DELTA	762
SPZ772DELTA	772
SPZ787DELTA	787
SPZ800DELTA	800
SPZ812DELTA	812
SPZ825DELTA	825
SPZ837DELTA	837
SPZ850DELTA	850
SPZ862DELTA	862
SPZ875DELTA	875
SPZ887DELTA	887
SPZ900DELTA	900
SPZ912DELTA	912
SPZ925DELTA	925
SPZ937DELTA	937
SPZ950DELTA	950
SPZ962DELTA	962
SPZ975DELTA	975
SPZ987DELTA	987
SPZ1000DELTA	1 000
SPZ1010DELTA	1 010
SPZ1012DELTA	1 012
SPZ1024DELTA	1 024
SPZ1030DELTA	1 030
SPZ1037DELTA	1 037
SPZ1047DELTA	1 047
SPZ1060DELTA	1 060
SPZ1077DELTA	1 077
SPZ1087DELTA	1 087
SPZ1112DELTA	1 112
SPZ1120DELTA	1 120
SPZ1137DELTA	1 137
SPZ1150DELTA	1 150
SPZ1162DELTA	1 162
SPZ1180DELTA	1 180
SPZ1187DELTA	1 187
SPZ1202DELTA	1 202
SPZ1212DELTA	1 212

Description	Datum length
	mm
SPZ1237DELTA	1 237
SPZ1250DELTA	1 250
SPZ1262DELTA	1 262
SPZ1270DELTA	1 270
SPZ1287DELTA	1 287
SPZ1300DELTA	1 300
SPZ1312DELTA	1 312
SPZ1320DELTA	1 320
SPZ1337DELTA	1 337
SPZ1347DELTA	1 347
SPZ1362DELTA	1 362
SPZ1387DELTA	1 387
SPZ1400DELTA	1 400
SPZ1412DELTA	1 412
SPZ1420DELTA	1 420
SPZ1437DELTA	1 437
SPZ1450DELTA	1 450
SPZ1462DELTA	1 462
SPZ1487DELTA	1 487
SPZ1500DELTA	1 500
SPZ1512DELTA	1 512
SPZ1520DELTA	1 520
SPZ1537DELTA	1 537
SPZ1550DELTA	1 550
SPZ1562DELTA	1 562
SPZ1587DELTA	1 587
SPZ1600DELTA	1 600
SPZ1612DELTA	1 612
SPZ1620DELTA	1 620
SPZ1637DELTA	1 637
SPZ1650DELTA	1 650
SPZ1662DELTA	1 662
SPZ1687DELTA	1 687
SPZ1700DELTA	1 700
SPZ1737DELTA	1 737
SPZ1750DELTA	1 750
SPZ1762DELTA	1 762
SPZ1787DELTA	1 787
SPZ1800DELTA	1 800
SPZ1812DELTA	1 812
SPZ1837DELTA	1 837
SPZ1850DELTA	1 850
SPZ1862DELTA	1 862
SPZ1887DELTA	1 887
SPZ1900DELTA	1 900
SPZ1937DELTA	1 937
SPZ1950DELTA	1 950
SPZ1987DELTA	1 987
SPZ2000DELTA	2 000
SPZ2030DELTA	2 030
SPZ2037DELTA	2 037

Description	Datum length
	mm
SPZ2060DELTA	2 060
SPZ2120DELTA	2 120
SPZ2137DELTA	2 137
SPZ2180DELTA	2 180
SPZ2187DELTA	2 187
SPZ2240DELTA	2 240
SPZ2287DELTA	2 287
SPZ2300DELTA	2 300
SPZ2360DELTA	2 360
SPZ2437DELTA	2 437
SPZ2500DELTA	2 500
SPZ2650DELTA	2 650
SPZ2800DELTA	2 800
SPZ3000DELTA	3 000
SPZ3150DELTA	3 150
SPZ3350DELTA	3 350
SPZ3550DELTA	3 550

# DELTA NARROW™

## NARROW SECTION V-BELTS



DRIVEN BY POSSIBILITY™

### SPA

Description	Datum length
	mm
SPA732DELTA	732
SPA757DELTA	757
SPA782DELTA	782
SPA800DELTA	800
SPA825DELTA	825
SPA832DELTA	832
SPA850DELTA	850
SPA857DELTA	857
SPA875DELTA	875
SPA900DELTA	900
SPA932DELTA	932
SPA950DELTA	950
SPA975DELTA	975
SPA1000DELTA	1 000
SPA1007DELTA	1 007
SPA1030DELTA	1 030
SPA1032DELTA	1 032
SPA1050DELTA	1 050
SPA1057DELTA	1 057
SPA1060DELTA	1 060
SPA1082DELTA	1 082
SPA1100DELTA	1 100
SPA1107DELTA	1 107
SPA1120DELTA	1 120
SPA1132DELTA	1 132
SPA1150DELTA	1 150
SPA1157DELTA	1 157
SPA1162DELTA	1 162
SPA1180DELTA	1 180
SPA1187DELTA	1 187
SPA1200DELTA	1 200
SPA1207DELTA	1 207
SPA1220DELTA	1 220
SPA1232DELTA	1 232
SPA1250DELTA	1 250
SPA1257DELTA	1 257
SPA1272DELTA	1 272
SPA1285DELTA	1 285
SPA1287DELTA	1 287
SPA1300DELTA	1 300
SPA1307DELTA	1 307
SPA1320DELTA	1 320
SPA1332DELTA	1 332
SPA1357DELTA	1 357
SPA1360DELTA	1 360
SPA1382DELTA	1 382
SPA1400DELTA	1 400
SPA1407DELTA	1 407
SPA1425DELTA	1 425
SPA1432DELTA	1 432
SPA1450DELTA	1 450

Description	Datum length
	mm
SPA1482DELTA	1 482
SPA1500DELTA	1 500
SPA1520DELTA	1 520
SPA1532DELTA	1 532
SPA1550DELTA	1 550
SPA1557DELTA	1 557
SPA1582DELTA	1 582
SPA1600DELTA	1 600
SPA1620DELTA	1 620
SPA1632DELTA	1 632
SPA1637DELTA	1 637
SPA1650DELTA	1 650
SPA1675DELTA	1 675
SPA1682DELTA	1 682
SPA1700DELTA	1 700
SPA1707DELTA	1 707
SPA1732DELTA	1 732
SPA1757DELTA	1 757
SPA1782DELTA	1 782
SPA1787DELTA	1 787
SPA1800DELTA	1 800
SPA1832DELTA	1 832
SPA1837DELTA	1 837
SPA1857DELTA	1 857
SPA1882DELTA	1 882
SPA1900DELTA	1 900
SPA1932DELTA	1 932
SPA1957DELTA	1 957
SPA1982DELTA	1 982
SPA2000DELTA	2 000
SPA2032DELTA	2 032
SPA2057DELTA	2 057
SPA2060DELTA	2 060
SPA2082DELTA	2 082
SPA2120DELTA	2 120
SPA2132DELTA	2 132
SPA2182DELTA	2 182
SPA2207DELTA	2 207
SPA2232DELTA	2 232
SPA2240DELTA	2 240
SPA2282DELTA	2 282
SPA2300DELTA	2 300
SPA2307DELTA	2 307
SPA2332DELTA	2 332
SPA2360DELTA	2 360
SPA2382DELTA	2 382
SPA2430DELTA	2 430
SPA2432DELTA	2 432
SPA2482DELTA	2 482
SPA2500DELTA	2 500
SPA2532DELTA	2 532

Description	Datum length
	mm
SPA2580DELTA	2 580
SPA2582DELTA	2 582
SPA2607DELTA	2 607
SPA2632DELTA	2 632
SPA2650DELTA	2 650
SPA2682DELTA	2 682
SPA2720DELTA	2 720
SPA2732DELTA	2 732
SPA2782DELTA	2 782
SPA2800DELTA	2 800
SPA2832DELTA	2 832
SPA2840DELTA	2 840
SPA2847DELTA	2 847
SPA2882DELTA	2 882
SPA2900DELTA	2 900
SPA2932DELTA	2 932
SPA2982DELTA	2 982
SPA3000DELTA	3 000
SPA3032DELTA	3 032
SPA3082DELTA	3 082
SPA3150DELTA	3 150
SPA3182DELTA	3 182
SPA3282DELTA	3 282
SPA3350DELTA	3 350
SPA3550DELTA	3 550
SPA3750DELTA	3 750
SPA4000DELTA	4 000
SPA4250DELTA	4 250
SPA4500DELTA	4 500



# DELTA NARROW™

NARROW SECTION V-BELTS



DRIVEN BY POSSIBILITY™

## SPB

Description	Datum length mm
SPB1250DELTA	1 250
SPB1280DELTA	1 280
SPB1320DELTA	1 320
SPB1360DELTA	1 360
SPB1400DELTA	1 400
SPB1450DELTA	1 450
SPB1500DELTA	1 500
SPB1550DELTA	1 550
SPB1600DELTA	1 600
SPB1650DELTA	1 650
SPB1700DELTA	1 700
SPB1720DELTA	1 720
SPB1750DELTA	1 750
SPB1800DELTA	1 800
SPB1850DELTA	1 850
SPB1900DELTA	1 900
SPB1950DELTA	1 950
SPB2000DELTA	2 000
SPB2020DELTA	2 020
SPB2060DELTA	2 060
SPB2120DELTA	2 120
SPB2180DELTA	2 180
SPB2240DELTA	2 240
SPB2250DELTA	2 250
SPB2300DELTA	2 300
SPB2360DELTA	2 360
SPB2400DELTA	2 400
SPB2430DELTA	2 430
SPB2500DELTA	2 500
SPB2580DELTA	2 580
SPB2650DELTA	2 650
SPB2680DELTA	2 680
SPB2720DELTA	2 720
SPB2800DELTA	2 800
SPB2900DELTA	2 900
SPB3000DELTA	3 000
SPB3150DELTA	3 150
SPB3250DELTA	3 250
SPB3350DELTA	3 350
SPB3450DELTA	3 450
SPB3550DELTA	3 550
SPB3650DELTA	3 650
SPB3750DELTA	3 750
SPB3870DELTA	3 870
SPB4000DELTA	4 000
SPB4120DELTA	4 120
SPB4250DELTA	4 250
SPB4370DELTA	4 370
SPB4500DELTA	4 500
SPB4560DELTA	4 560
SPB4620DELTA	4 620

## SPC

Description	Datum length mm
SPC2000DELTA	2 000
SPC2120DELTA	2 120
SPC2240DELTA	2 240
SPC2360DELTA	2 360
SPC2500DELTA	2 500
SPC2600DELTA	2 600
SPC2650DELTA	2 650
SPC2800DELTA	2 800
SPC3000DELTA	3 000
SPC3150DELTA	3 150
SPC3350DELTA	3 350
SPC3550DELTA	3 550
SPC3600DELTA	3 600
SPC3750DELTA	3 750
SPC4000DELTA	4 000
SPC4250DELTA	4 250
SPC4380DELTA	4 380
SPC4500DELTA	4 500
SPC4750DELTA	4 750
SPC5000DELTA	5 000
SPC5300DELTA	5 300
SPC5600DELTA	5 600
SPC5800DELTA	5 800
SPC6000DELTA	6 000
SPC6300DELTA	6 300
SPC6700DELTA	6 700
SPC7100DELTA	7 100
SPC7500DELTA	7 500
SPC8000DELTA	8 000
SPC8500DELTA	8 500
SPC9000DELTA	9 000
SPC9500DELTA	9 500
SPC10000DELTA	10 000
SPC10600DELTA	10 600
SPC11200DELTA	11 200



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 to provide proper load distribution.

## CONSTRUCTION

- Arched top, concave sidewalls and rounded corners provide a better load distribution on the cords and a uniform contact with the pulley grooves.
- The double layered Flex Weave fabric on the outer part of the belt protects it from wear and tear in highly aggressive environments.
- The “flex-bonded” tensile cords are vulcanised into a monolithic structural mass, provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- High-quality rubber polymer protects the belt against heat, ozone and sunlight.
- The belt does not catch fire due to frictional overheating, even under severe slippage.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.

Sections and nominal dimensions			
Section	Width (mm)	Height (mm)	Length range (datum length - mm)
Z	10	6	425 – 2 500
A	13	8	457 – 5 000
B	17	11	650 – 11 960
C	22	14	1 080 – 10 795
D	32	19	2 500 – 16 850
E	38	25	4 650 – 15 330



## BENEFITS

- Excellent price/performance ratio.
- Reliability and efficiency.
- Long belt life: reduces replacement and maintenance costs.
- **Match** system: all sizes meet Gates **UNISET** tolerances: they can be installed without matching.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.

### Ordering code

Z19  
Z - Section  
19 - Inside length (inches)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent red marking indicating the belt type and white marking indicating the belt dimensions.





# HI-POWER™

CLASSICAL SECTION V-BELTS



DRIVEN BY POSSIBILITY™

## Z

Description	Inside length	Datum length
	mm	mm
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	1 005
Z39.5	1 000	1 020
Z40	1 016	1 038
Z41	1 040	1 063
Z41.5	1 050	1 070
Z42	1 060	1 080
Z44	1 120	1 140
Z45	1 150	1 170
Z45.5	1 160	1 180
Z46	1 180	1 200
Z47	1 200	1 220
Z48	1 225	1 245
Z48.5	1 230	1 255
Z49	1 250	1 270
Z50	1 275	1 295
Z51	1 300	1 320
Z52	1 320	1 340
Z53	1 346	1 368
Z54	1 371	1 393
Z55	1 400	1 420
Z56	1 422	1 444

Description	Inside length	Datum length
	mm	mm
Z57	1 450	1 470
Z58	1 475	1 497
Z59	1 500	1 520
Z60	1 524	1 546
Z61	1 550	1 572
Z62	1 575	1 597
Z63	1 595	1 622
Z63.5	1 600	1 630
Z64	1 626	1 648
Z65	1 651	1 673
Z66	1 675	1 697
Z67	1 700	1 720
Z68	1 725	1 747
Z69	1 750	1 772
Z70	1 775	1 797
Z71	1 800	1 820
Z73	1 850	1 872
Z75	1 900	1 920
Z78	1 975	1 997
Z79	2 000	2 022
Z83.5	2 120	2 142
Z88	2 240	2 262
Z93	2 360	2 382
Z98	2 500	2 522

# HI-POWER™

## CLASSICAL SECTION V-BELTS



DRIVEN BY POSSIBILITY™

### A

Description	Inside length	Datum length
	mm	mm
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	1 000
A38.5	975	1 005
A39	1 000	1 025
A40	1 030	1 055
A40.5	1 030	1 060
A41	1 050	1 080
A41.5	1 060	1 090
A42	1 075	1 105
A43	1 100	1 130
A44	1 125	1 155
A45	1 150	1 180
A46	1 180	1 205
A46.5	1 180	1 210
A47	1 200	1 230
A48	1 225	1 255
A49	1 250	1 280
A50	1 275	1 310
A51	1 300	1 330
A52	1 320	1 355
A53	1 350	1 385
A54	1 375	1 410
A55	1 400	1 435
A56	1 430	1 460
A57	1 450	1 485
A58	1 475	1 510
A59	1 500	1 535

Description	Inside length	Datum length
	mm	mm
A60	1 525	1 560
A61	1 550	1 585
A62	1 575	1 610
A63	1 600	1 635
A64	1 625	1 660
A65	1 655	1 690
A66	1 680	1 715
A67	1 700	1 735
A68	1 730	1 765
A69	1 760	1 790
A70	1 780	1 815
A71	1 800	1 840
A72	1 830	1 865
A73	1 860	1 890
A74	1 880	1 915
A75	1 900	1 940
A76	1 930	1 965
A77	1 960	1 990
A78	1 980	2 020
A79	2 000	2 040
A80	2 040	2 070
A81	2 060	2 095
A82	2 090	2 120
A83	2 120	2 145
A83.5	2 120	2 150
A84	2 140	2 170
A84.5	2 150	2 180
A85	2 160	2 195
A86	2 200	2 220
A87	2 215	2 245
A88	2 240	2 270
A89	2 265	2 295
A90	2 300	2 325
A91	2 320	2 350
A92	2 345	2 375
A93	2 360	2 400
A94	2 400	2 425
A95	2 420	2 450
A96	2 440	2 475
A97	2 475	2 500
A98	2 500	2 525
A100	2 540	2 575
A102	2 590	2 625
A104	2 650	2 680
A105	2 670	2 705
A107	2 725	2 755
A108	2 750	2 780
A110	2 800	2 830
A112	2 850	2 880
A114	2 896	2 926
A116	2 946	2 976

Description	Inside length	Datum length
	mm	mm
A118	3 000	3 035
A120	3 050	3 085
A124	3 150	3 185
A128	3 250	3 290
A130	3 310	3 340
A132	3 350	3 380
A134	3 410	3 440
A136	3 455	3 490
A140	3 550	3 590
A144	3 660	3 695
A147	3 750	3 770
A148	3 750	3 780
A158	4 000	4 050
A167	4 250	4 280
A173	4 400	4 430
A180	4 575	4 610
A187	4 750	4 780
A195	4 915	4 950
A197	5 000	5 030



# HI-POWER™

## CLASSICAL SECTION V-BELTS



### B

Description	Inside length	Datum length
	mm	mm
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
B37	950	990
B38	975	1 015
B38.5	975	1 015
B39	1 000	1 040
B40	1 030	1 065
B41	1 060	1 095
B42	1 075	1 120
B43	1 100	1 145
B44	1 120	1 170
B45	1 150	1 195
B46	1 180	1 220
B47	1 200	1 245
B48	1 225	1 270
B49	1 250	1 295
B50	1 275	1 320
B51	1 300	1 345
B52	1 335	1 370
B53	1 360	1 395
B54	1 385	1 425
B55	1 400	1 450
B56	1 435	1 475
B57	1 460	1 500
B58	1 485	1 525
B59	1 500	1 550
B60	1 535	1 575
B61	1 560	1 600
B62	1 585	1 625
B63	1 600	1 650
B64	1 625	1 675
B65	1 650	1 700
B66	1 700	1 730
B67	1 725	1 755
B68	1 750	1 780
B69.5	1 760	1 800
B69	1 765	1 805
B70	1 800	1 830
B71	1 815	1 855

Description	Inside length	Datum length
	mm	mm
B72	1 850	1 880
B73	1 865	1 905
B74	1 900	1 930
B75	1 915	1 955
B76	1 950	1 980
B77	1 970	2 005
B78	2 000	2 030
B79	2 020	2 060
B80	2 040	2 085
B81	2 060	2 110
B82	2 100	2 135
B83	2 120	2 160
B84	2 145	2 185
B85	2 160	2 210
B86	2 200	2 235
B87	2 220	2 260
B88	2 240	2 285
B89	2 270	2 310
B90	2 300	2 335
B91	2 325	2 365
B92	2 360	2 390
B93	2 375	2 415
B94	2 400	2 440
B95	2 425	2 465
B96	2 450	2 490
B97	2 475	2 515
B98	2 500	2 540
B99	2 525	2 565
B100	2 540	2 590
B101	2 565	2 605
B102	2 600	2 640
B103	2 625	2 665
B104	2 650	2 695
B105	2 680	2 720
B106	2 700	2 745
B107	2 718	2 758
B108	2 755	2 795
B110	2 800	2 845
B112	2 850	2 895
B114	2 900	2 945
B115	2 921	2 961
B116	2 950	3 000
B118	3 000	3 050
B120	3 060	3 100
B122	3 100	3 150
B124	3 150	3 200
B126	3 200	3 240
B128	3 250	3 300
B130	3 310	3 350
B131	3 350	3 380
B132	3 350	3 390

Description	Inside length	Datum length
	mm	mm
B133	3 390	3 430
B134	3 415	3 455
B136	3 460	3 505
B138	3 505	3 545
B140	3 550	3 610
B142	3 600	3 640
B144	3 670	3 710
B146	3 700	3 740
B147	3 750	3 785
B148	3 770	3 810
B150	3 810	3 850
B151	3 850	3 890
B152	3 870	3 910
B154	3 912	3 952
B155	3 950	3 990
B156	3 962	4 002
B157	4 000	4 040
B158	4 025	4 065
B160	4 064	4 104
B162	4 125	4 165
B165	4 200	4 240
B167	4 250	4 295
B173	4 400	4 445
B175	4 450	4 495
B177	4 500	4 545
B180	4 580	4 625
B186	4 750	4 775
B187	4 750	4 790
B195	4 960	5 005
B196	5 000	5 030
B197	5 000	5 040
B204	5 200	5 235
B208	5 300	5 335
B210	5 345	5 385
B220	5 600	5 640
B221	5 600	5 625
B225	5 690	5 730
B236	6 000	6 040
B240	6 070	6 110
B248	6 300	6 340
B249	6 300	6 340
B264	6 700	6 740
B270	6 830	6 870
B276	7 000	7 040
B280	7 100	7 140
B300	7 620	7 635

# HI-POWER™

## CLASSICAL SECTION V-BELTS



DRIVEN BY POSSIBILITY™

### C

Description	Inside length	Datum length
	mm	mm
C42	1 080	1 145
C43	1 100	1 165
C46	1 180	1 245
C47	1 200	1 258
C48	1 230	1 290
C49	1 250	1 320
C51	1 320	1 370
C52	1 320	1 378
C53	1 350	1 420
C54	1 375	1 445
C55	1 400	1 470
C56	1 425	1 483
C57	1 450	1 508
C58	1 475	1 533
C59	1 500	1 570
C60	1 525	1 595
C61	1 550	1 608
C62	1 600	1 650
C63	1 600	1 658
C65	1 665	1 725
C66	1 700	1 750
C67	1 700	1 758
C68	1 750	1 800
C69	1 750	1 808
C70	1 800	1 850
C71	1 830	1 875
C72	1 840	1 900
C73	1 854	1 912
C74	1 900	1 950
C75	1 920	1 980
C76	1 930	1 988
C77	1 956	2 014
C78	2 000	2 055
C79	2 000	2 058
C80	2 032	2 090
C81	2 070	2 130
C82	2 100	2 155
C83	2 120	2 180
C84	2 134	2 192
C85	2 170	2 230
C86	2 184	2 242
C87	2 210	2 268
C88	2 240	2 310
C89	2 261	2 319
C90	2 300	2 360
C92	2 360	2 410
C93	2 375	2 435
C94	2 388	2 446
C95	2 425	2 485
C96	2 460	2 510
C97	2 475	2 535

Description	Inside length	Datum length
	mm	mm
C98	2 500	2 560
C99	2 525	2 590
C100	2 560	2 615
C101	2 580	2 640
C102	2 600	2 665
C104	2 650	2 715
C105	2 675	2 740
C106	2 692	2 750
C108	2 750	2 815
C110	2 800	2 865
C112	2 860	2 920
C114	2 896	2 954
C115	2 935	2 995
C116	2 965	3 020
C117	2 965	3 023
C118	3 000	3 070
C120	3 050	3 120
C122	3 099	3 157
C124	3 150	3 225
C125	3 175	3 250
C126	3 200	3 258
C128	3 250	3 325
C130	3 300	3 375
C132	3 350	3 425
C134	3 415	3 475
C136	3 450	3 525
C138	3 505	3 563
C140	3 550	3 630
C142	3 607	3 665
C144	3 670	3 730
C146	3 700	3 758
C147	3 750	3 805
C148	3 750	3 808
C150	3 810	3 868
C153	3 900	3 960
C158	4 000	4 085
C162	4 130	4 190
C165	4 200	4 265
C166	4 216	4 274
C167	4 250	4 308
C168	4 267	4 325
C170	4 318	4 376
C173	4 400	4 465
C175	4 445	4 503
C177	4 500	4 570
C180	4 575	4 645
C187	4 750	4 808
C190	4 826	4 884
C195	4 980	5 025
C197	5 000	5 058
C208	5 300	5 355

Description	Inside length	Datum length
	mm	mm
C209	5 309	5 367
C210	5 340	5 405
C220	5 600	5 658
C222	5 600	5 660
C225	5 675	5 735
C236	6 000	6 058
C238	6 000	6 065
C240	6 050	6 120
C248	6 250	6 325
C250	6 300	6 370
C255	6 440	6 500
C264	6 700	6 758
C265	6 700	6 755
C270	6 820	6 880
C280	7 100	7 135
C285	7 200	7 260
C295	7 500	7 558
C300	7 580	7 640
C315	8 000	8 058
C330	8 340	8 405



# HI-POWER™

## CLASSICAL SECTION V-BELTS



DRIVEN BY POSSIBILITY™

### D

Description	Inside length	Datum length (mm)
	mm	mm
D98	2 500	2 570
D104	2 650	2 720
D110	2 800	2 875
D112	2 850	2 925
D120	3 050	3 130
D124	3 150	3 230
D128	3 250	3 330
D137	3 480	3 560
D140	3 550	3 635
D144	3 660	3 740
D158	4 000	4 095
D162	4 115	4 195
D170	4 320	4 400
D173	4 400	4 475
D177	4 500	4 575
D180	4 570	4 650
D187	4 750	4 830
D195	4 955	5 035
D197	5 000	5 085
D204	5 180	5 260
D210	5 335	5 415
D223	5 600	5 680
D240	6 035	6 115
D250	6 300	6 365
D270	6 800	6 875
D282	7 100	7 180
D298	7 500	7 585
D300	7 555	7 635
D315	8 007	8 082
D330	8 320	8 400
D345	8 770	8 845
D360	9 080	9 160
D390	9 910	9 982
D420	10 672	10 747
D441	11 207	11 282
D450	11 435	11 510
D480	12 197	12 272
D540	13 721	13 796
D600	15 246	15 321
D660	16 771	16 846

### E

Description	Inside length	Datum length
	mm	mm
E180	4 656	4 574
E195	5 037	4 955
E240	6 180	6 098
E270	6 943	6 861
E300	7 705	7 623
E330	8 467	8 385
E360	9 230	9 148
E390	9 992	9 910
E420	10 754	10 672
E540	13 803	13 721
E600	15 328	15 246

# SUPER HC™

## WRAPPED NARROW SECTION BELT



DRIVEN BY POSSIBILITY™

The Gates Super HC™ V-belt combines the strength of a wrapped belt with the affordability of a narrow section V-belt. It transmits more power in a given space and allows for a more compact drive design compared to classical section V-belts. In short, it offers you more power and considerably reduces the space needed. This significantly cuts the overall drive cost. Super HC™ V-belts also have exclusive Gates construction features for longer life on your drive!

### CONSTRUCTION

- Arched top, concave sidewalls and rounded corners provide a better load distribution on the cords and a uniform contact with the pulley grooves, thus reducing the pulley wear.
- The Flex-Weave oil and heat resistant cover protects the belt.
- The “flex-bonded” tensile cords are vulcanised into a monolithic structural mass, provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- The belt does not catch fire due to frictional overheating, even under severe slippage.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.

### BENEFITS

- Excellent price/performance ratio.
- More compact design compared to classical section V-belts.
- Cost and space savings by reducing size of pulleys, bearings, guards and mounts.
- Improved belt life and reduction of costly maintenance time.
- **Match** system: all sizes meet Gates **UNISSET** tolerances: they can be installed without matching.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.

#### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (datum length - mm)
SPZ/3V	10	8	487 – 3 750
SPA	13	10	732 – 5 000
SPB/5V	16	13	1 250 – 8 000
SPC	22	18	2 000 – 16 500
8 V	26	23	2 540 – 14 225

#### Ordering code

SPZ1060/3V420  
 SPZ - Section  
 1060 - Datum length (mm)  
 3V - Section  
 420 - Effective length (42.0 inches)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

#### Identification

Permanent yellow marking indicating the belt type and white marking indicating the belt dimensions.



# SUPER HC™

WRAPPED NARROW SECTION BELT



## SPZ-3V

Description	Datum length	Effective length
	mm	Inches
SPZ487	487	
SPZ512	512	
SPZ560	560	
SPZ562	562	
SPZ587	587	
SPZ612	612	
SPZ615	615	
SPZ630/3V250	630	25.0
SPZ637	637	
SPZ662	662	
SPZ670/3V265	670	26.5
SPZ687	687	
SPZ710/3V280	710	28.0
SPZ722	722	
SPZ730	730	
SPZ737	737	
SPZ750	750	
SPZ762/3V300	762	30.0
SPZ772	772	
SPZ775	775	
SPZ787	787	
SPZ800/3V315	800	31.5
SPZ812	812	
SPZ825	825	
SPZ837	837	
SPZ850/3V335	850	33.5
SPZ862	862	
SPZ875	875	
SPZ887	887	
SPZ900/3V355	900	35.5
SPZ912	912	
SPZ925	925	
SPZ937	937	
SPZ950/3V375	950	37.5
SPZ962	962	
SPZ975	975	
SPZ987	987	
SPZ1000	1 000	
SPZ1012/3V400	1 012	40.0
SPZ1024	1 024	
SPZ1030	1 030	
SPZ1037	1 037	
SPZ1047	1 047	
SPZ1060/3V420	1 060	42.0
SPZ1062	1 062	
SPZ1077/3V425	1 077	42.5
SPZ1087	1 087	
SPZ1090	1 090	
SPZ1112	1 112	
SPZ1120	1 120	
SPZ1137/3V450	1 137	45.0

Description	Datum length	Effective length
	mm	Inches
SPZ1150	1 150	
SPZ1162	1 162	
SPZ1270/3V500	1 270	50.0
SPZ1180	1 180	
SPZ1187	1 187	
SPZ1202/3V475	1 202	47.5
SPZ1212	1 212	
SPZ1215	1 215	
SPZ1237	1 237	
SPZ1250	1 250	
SPZ1262/3V500	1 262	50.0
SPZ1287	1 287	
SPZ1312	1 312	
SPZ1320	1 320	
SPZ1337/3V530	1 337	53.0
SPZ1347	1 347	
SPZ1360	1 360	
SPZ1362	1 362	
SPZ1387	1 387	
SPZ1400	1 400	
SPZ1412/3V560	1 412	56.0
SPZ1420	1 420	
SPZ1437	1 437	
SPZ1450	1 450	
SPZ1462	1 462	
SPZ1487	1 487	
SPZ1500/3V590	1 500	59.0
SPZ1512/3V600	1 512	60.0
SPZ1520	1 520	
SPZ1537	1 537	
SPZ1550	1 550	
SPZ1562	1 562	
SPZ1575	1 575	
SPZ1587	1 587	
SPZ1600/3V630	1 600	63.0
SPZ1612	1 612	
SPZ1637	1 637	
SPZ1650/3V650	1 650	65.0
SPZ1662	1 662	
SPZ1687	1 687	
SPZ1700/3V670	1 700	67.0
SPZ1737	1 737	
SPZ1750	1 750	
SPZ1762	1 762	
SPZ1787	1 787	
SPZ1800/3V710	1 800	71.0
SPZ1812	1 812	
SPZ1837	1 837	
SPZ1850/3V730	1 850	73.0
SPZ1862	1 862	
SPZ1887	1 887	

Description	Datum length	Effective length
	mm	Inches
SPZ1900/3V750	1 900	75.0
SPZ1937	1 937	
SPZ1950	1 950	
SPZ1987	1 987	
SPZ2000	2 000	
SPZ2037/3V800	2 037	80.0
SPZ2060/3V810	2 060	81.0
SPZ2120	2 120	
SPZ2137	2 137	
SPZ2150/3V850	2 150	85.0
SPZ2180	2 180	
SPZ2187	2 187	
SPZ2240	2 240	
SPZ2287/3V900	2 287	90.0
SPZ2360	2 360	
SPZ2410/3V950	2 410	95.0
SPZ2430	2 430	
SPZ2500	2 500	
SPZ2540/3V1000	2 540	100.0
SPZ2650	2 650	
SPZ2690/3V1060	2 690	106.0
SPZ2800	2 800	
SPZ2840/3V1120	2 840	112.0
SPZ3000/3V1180	3 000	118.0
SPZ3150	3 150	
SPZ3170/3V1250	3 170	125.0
SPZ3350/3V1320	3 350	132.0
SPZ3550/3V1400	3 550	140.0
SPZ3750	3 750	

# SUPER HC™

WRAPPED NARROW SECTION BELT



DRIVEN BY POSSIBILITY™

## SPA

Description	Datum length mm
SPA732	732
SPA757	757
SPA782	782
SPA800	800
SPA807	807
SPA832	832
SPA850	850
SPA857	857
SPA882	882
SPA900	900
SPA907	907
SPA925	925
SPA932	932
SPA950	950
SPA957	957
SPA975	975
SPA982	982
SPA1000	1 000
SPA1007	1 007
SPA1030	1 030
SPA1032	1 032
SPA1057	1 057
SPA1060	1 060
SPA1082	1 082
SPA1090	1 090
SPA1107	1 107
SPA1120	1 120
SPA1132	1 132
SPA1150	1 150
SPA1157	1 157
SPA1180	1 180
SPA1207	1 207
SPA1215	1 215
SPA1232	1 232
SPA1250	1 250
SPA1257	1 257
SPA1272	1 272
SPA1282	1 282
SPA1285	1 285
SPA1307	1 307
SPA1320	1 320
SPA1332	1 332
SPA1357	1 357
SPA1360	1 360
SPA1382	1 382
SPA1400	1 400
SPA1407	1 407
SPA1432	1 432
SPA1450	1 450
SPA1457	1 457
SPA1482	1 482

Description	Datum length mm
SPA1500	1 500
SPA1507	1 507
SPA1532	1 532
SPA1550	1 550
SPA1557	1 557
SPA1582	1 582
SPA1600	1 600
SPA1607	1 607
SPA1632	1 632
SPA1650	1 650
SPA1657	1 657
SPA1682	1 682
SPA1700	1 700
SPA1707	1 707
SPA1732	1 732
SPA1750	1 750
SPA1757	1 757
SPA1782	1 782
SPA1800	1 800
SPA1807	1 807
SPA1832	1 832
SPA1850	1 850
SPA1857	1 857
SPA1882	1 882
SPA1900	1 900
SPA1907	1 907
SPA1932	1 932
SPA1950	1 950
SPA1957	1 957
SPA1982	1 982
SPA2000	2 000
SPA2032	2 032
SPA2057	2 057
SPA2060	2 060
SPA2082	2 082
SPA2120	2 120
SPA2132	2 132
SPA2180	2 180
SPA2182	2 182
SPA2207	2 207
SPA2232	2 232
SPA2240	2 240
SPA2282	2 282
SPA2300	2 300
SPA2307	2 307
SPA2332	2 332
SPA2360	2 360
SPA2382	2 382
SPA2430	2 430
SPA2432	2 432
SPA2482	2 482

Description	Datum length mm
SPA2500	2 500
SPA2532	2 532
SPA2582	2 582
SPA2607	2 607
SPA2632	2 632
SPA2650	2 650
SPA2682	2 682
SPA2732	2 732
SPA2782	2 782
SPA2800	2 800
SPA2832	2 832
SPA2847	2 847
SPA2882	2 882
SPA2900	2 900
SPA2932	2 932
SPA2982	2 982
SPA3000	3 000
SPA3032	3 032
SPA3082	3 082
SPA3150	3 150
SPA3182	3 182
SPA3282	3 282
SPA3350	3 350
SPA3382	3 382
SPA3450	3 450
SPA3550	3 550
SPA3650	3 650
SPA3750	3 750
SPA4000	4 000
SPA4250	4 250
SPA4500	4 500
SPA5000	5 000





# SUPER HC™

## WRAPPED NARROW SECTION BELT



DRIVEN BY POSSIBILITY™

### SPB-5V

Description	Datum length		Effective length
	mm	Inches	
SPB1250	1 250		
SPB1260/5V500	1 260		50
SPB1320	1 320		
SPB1340/5V530	1 340		53
SPB1360	1 360		
SPB1400	1 400		
SPB1410/5V560	1 410		56
SPB1450	1 450		
SPB1500	1 500		
SPB1510/5V600	1 510		60
SPB1550	1 550		
SPB1590/5V630	1 590		63
SPB1600	1 600		
SPB1650	1 650		
SPB1690/5V670	1 690		67
SPB1700	1 700		
SPB1750	1 750		
SPB1778	1 778		
SPB1790/5V710	1 790		71
SPB1800	1 800		
SPB1850	1 850		
SPB1860	1 860		
SPB1900/5V750	1 900		75
SPB1930	1 930		
SPB1950	1 950		
SPB2000	2 000		
SPB2020/5V800	2 020		80
SPB2060	2 060		
SPB2098	2 098		
SPB2120	2 120		
SPB2150/5V850	2 150		85
SPB2180	2 180		
SPB2200	2 200		
SPB2240	2 240		
SPB2280/5V900	2 280		90
SPB2300	2 300		
SPB2360/5V930	2 360		93
SPB2391	2 391		
SPB2400/5V950	2 400		95
SPB2430	2 430		
SPB2450	2 450		
SPB2500	2 500		
SPB2530/5V1000	2 530		100
SPB2580	2 580		
SPB2600	2 600		
SPB2650	2 650		
SPB2680/5V1060	2 680		106
SPB2720	2 720		
SPB2800	2 800		
SPB2840/5V1120	2 840		112
SPB2850	2 850		

Description	Datum length		Effective length
	mm	Inches	
SPB2900	2 900		
SPB2980/5V1180	2 980		118
SPB3000	3 000		
SPB3070	3 070		
SPB3150	3 150		
SPB3170/5V1250	3 170		125
SPB3250	3 250		
SPB3320	3 320		
SPB3350/5V1320	3 350		132
SPB3450	3 450		
SPB3550/5V1400	3 550		140
SPB3650	3 650		
SPB3750	3 750		
SPB3800/5V1500	3 800		150
SPB3870	3 870		
SPB4000	4 000		
SPB4050/5V1600	4 050		160
SPB4120	4 120		
SPB4250	4 250		
SPB4310/5V1700	4 310		170
SPB4370	4 370		
SPB4500	4 500		
SPB4560/5V1800	4 560		180
SPB4750	4 750		
SPB4820/5V1900	4 820		190
SPB4870	4 870		
SPB5000	5 000		
SPB5070/5V2000	5 070		200
SPB5300	5 300		
SPB5370/5V2120	5 370		212
SPB5600	5 600		
SPB5680/5V2240	5 680		224
SPB5980/5V2360	5 980		236
SPB6000	6 000		
SPB6300	6 300		
SPB6340/5V2500	6 340		250
SPB6700/5V2650	6 700		265
SPB7100/5V2800	7 100		280
SPB7500	7 500		
SPB7610/5V3000	7 610		300
SPB8000/5V3150	8 000		315
SPB8500/5V3350	8 500		335
SPB9010/5V3550	9 010		355

# SUPER HC™

## WRAPPED NARROW SECTION BELT



DRIVEN BY POSSIBILITY™

### SPC

Description	Datum length
	mm
SPC2000	2 000
SPC2120	2 120
SPC2240	2 240
SPC2360	2 360
SPC2500	2 500
SPC2550	2 550
SPC2650	2 650
SPC2800	2 800
SPC3000	3 000
SPC3150	3 150
SPC3350	3 350
SPC3550	3 550
SPC3750	3 750
SPC4000	4 000
SPC4100	4 100
SPC4250	4 250
SPC4500	4 500
SPC4750	4 750
SPC5000	5 000
SPC5300	5 300
SPC5600	5 600
SPC5800	5 800
SPC6000	6 000
SPC6300	6 300
SPC6500	6 500
SPC6700	6 700
SPC7100	7 100
SPC7500	7 500
SPC8000	8 000
SPC8500	8 500
SPC9000	9 000
SPC9500	9 500
SPC10000	10 000
SPC10600	10 600
SPC11200	11 200
SPC11800	11 800
SPC12000	12 000
SPC12500	12 500
SPC13500	13 500
SPC13800	13 800
SPC14200	14 200
SPC15000	15 000
SPC16500	16 500

### 8 V

Description	Effective length	Effective length
	mm	Inches
8V1000	2 540	100
8V1060	2 690	106
8V1120	2 845	112
8V1180	2 995	118
8V1250	3 175	125
8V1320	3 355	132
8V1400	3 555	140
8V1500	3 810	150
8V1600	4 065	160
8V1700	4 320	170
8V1800	4 570	180
8V1900	4 825	190
8V2000	5 080	200
8V2120	5 385	212
8V2240	5 690	224
8V2360	5 995	236
8V2500	6 350	250
8V2650	6 730	265
8V2800	7 110	280
8V3000	7 620	300
8V3150	8 000	315
8V3350	8 510	335
8V3550	9 015	355
8V3750	9 525	375
8V4000	10 160	400
8V4250	10 795	425
8V4500	11 430	450
8V4750	12 065	475
8V5000	12 700	500
8V5600	14 225	560



# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



DRIVEN BY POSSIBILITY™

Super HC™ PowerBand™ and Hi-Power™ PowerBand™ Gates belts offer a solution for those drive systems where single belts vibrate, turn over or jump off the pulleys. They consist of several V-belts joined together by an extremely strong tie band that offers greater strength and stability compared to a single belt.

## CONSTRUCTION

- Strong band controls belt-to-belt distance and prevents sideways bending.
- The “flex-bonded” polyester tensile cords are vulcanised into a monolithic structural mass, provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- Hi-Power™ PowerBand™ belts in B, C and D sections are available on request.
- Concave sidewalls and arched top.
- Flex-Weave™ cover protects the belt core from the toughest environments.
- Elastomeric polymer 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 2014/34/EU- ATEX.
- Super HC™ PowerBand™ belt is available in SPB, SPC, 3V(9J), 5V(15J) and 8V(25J) sections.

## BENEFITS

- Better resistance to vibrations.
- High stability and smooth running on the most complex drives.
- Significant design economies are possible.
- Savings in drive space and weight thanks to high transmission efficiency.
- Available on demand in matched sets. Contact Customer Service for details.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Rib spacing/ Pitch (mm)	Available number of ribs	Length range (datum length - mm)
<b>Super HC™ PowerBand™</b>					
SPB	16	13	19.00	2 ∙ 16	2 120 – 8 000
SPC	22	18	25.50	2 ∙ 12	3 000 – 11 200
3V/9J	10	8	10.30	2 ∙ 30	1 400 – 3 550 effective length - mm
5V/15J	16	13	17.50	2 ∙ 16	1 400 – 9 000 effective length - mm
8V/25J	26	23	28.60	2 ∙ 12	2 540 – 15 240 effective length - mm
<b>Hi-Power™ PowerBand™</b>					
B	17	10	19.05	2 ∙ 12	935 – 8 009 effective length - mm
C	22	12	25.40	2 ∙ 12	1 598 – 10 688 effective length - mm
D	32	19	36.53	2 ∙ 8	3 132 – 16 784 effective length - mm

### Ordering code

SPB2500/3  
SPB - Section  
2500 - Datum length (mm)  
3 - Number of ribs

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent yellow marking (Super HC)/Permanent red marking (Hi Power).

# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



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## SPB

Description	Datum length
mm	
SPB2120	2 120
SPB2240	2 240
SPB2360	2 360
SPB2500	2 500
SPB2650	2 650
SPB2800	2 800
SPB3000	3 000
SPB3150	3 150
SPB3350	3 350
SPB3550	3 550
SPB3750	3 750
SPB4000	4 000
SPB4250	4 250
SPB4500	4 500
SPB4750	4 750
SPB5000	5 000
SPB5300	5 300
SPB5600	5 600
SPB6000	6 000
SPB6300	6 300
SPB6700	6 700
SPB7100	7 100
SPB7500	7 500
SPB8000	8 000

## SPC

Description	Datum length
mm	
SPC3000	3 000
SPC3150	3 150
SPC3350	3 350
SPC3550	3 550
SPC3750	3 750
SPC4000	4 000
SPC4250	4 250
SPC4500	4 500
SPC4750	4 750
SPC5000	5 000
SPC5300	5 300
SPC5600	5 600
SPC6000	6 000
SPC6300	6 300
SPC6700	6 700
SPC7100	7 100
SPC7500	7 500
SPC8000	8 000
SPC8500	8 500
SPC9000	9 000
SPC9500	9 500
SPC10000	10 000
SPC10600	10 600
SPC11200	11 200



# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



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## 3V-9J

Description	Effective length	
	mm	Inches
3V300 9J762	762	30.0
3V315 9J800	800	31.5
3V335 9J850	850	33.5
3V355 9J901	901	35.5
3V375 9J952	952	37.5
3V400 9J1016	1 016	40.0
3V425 9J1079	1 079	42.5
3V450 9J1143	1 143	45.0
3V475 9J1206	1 206	47.5
3V500 9J1270	1 270	50.0
3V530 9J1346	1 346	53.0
3V560 9J1420	1 420	56.0
3V600 9J1525	1 525	60.0
3V630 9J1600	1 600	63.0
3V670 9J1700	1 700	67.0
3V710 9J1800	1 800	71.0
3V750 9J1900	1 900	75.0
3V800 9J2030	2 030	80.0
3V850 9J2160	2 160	85.0
3V900 9J2285	2 285	90.0
3V950 9J2415	2 415	95.0
3V1000 9J2540	2 540	100.0
3V1060 9J2690	2 690	106.0
3V1120 9J2845	2 845	112.0
3V1180 9J3000	3 000	118.0
3V1250 9J3175	3 175	125.0
3V1320 9J3350	3 350	132.0
3V1400 9J3550	3 550	140.0

## 5V-15J

Description	Effective length	
	mm	Inches
5V560 15J1420	1 420	56
5V600 15J1525	1 525	60
5V630 15J1600	1 600	63
5V670 15J1700	1 700	67
5V710 15J1800	1 800	71
5V750 15J1900	1 900	75
5V800 15J2030	2 030	80
5V850 15J2160	2 160	85
5V900 15J2285	2 285	90
5V950 15J2415	2 415	95
5V1000 15J2540	2 540	100
5V1060 15J2690	2 690	106
5V1120 15J2845	2 845	112
5V1180 15J3000	3 000	118
5V1250 15J3175	3 175	125
5V1320 15J3350	3 350	132
5V1400 15J3550	3 550	140
5V1500 15J3810	3 810	150
5V1600 15J4065	4 065	160
5V1700 15J4315	4 315	170
5V1800 15J4570	4 570	180
5V1900 15J4825	4 825	190
5V2000 15J5080	5 080	200
5V2120 15J5385	5 385	212
5V2240 15J5690	5 690	224
5V2360 15J6000	6 000	236
5V2500 15J6350	6 350	250
5V2650 15J6730	6 730	265
5V2800 15J7100	7 100	280
5V3000 15J7620	7 620	300
5V3150 15J8000	8 000	315
5V3350 15J8500	8 500	335
5V3550 15J9000	9 000	355

# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



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## 8 V

Description	Effective length	
	mm	Inches
8V1000	2 540	100
8V1060	2 690	106
8V1120	2 845	112
8V1180	2 995	118
8V1250	3 175	125
8V1320	3 355	132
8V1400	3 555	140
8V1500	3 810	150
8V1600	4 064	160
8V1700	4 318	170
8V1800	4 572	180
8V1900	4 826	190
8V2000	5 080	200
8V2120	5 385	212
8V2240	5 690	224
8V2360	5 994	236
8V2500	6 350	250
8V2650	6 731	265
8V2800	7 112	280
8V3000	7 620	300
8V3150	8 001	315
8V3350	8 509	335
8V3550	9 017	355
8V3750	9 525	375
8V4000	10 160	400
8V4250	10 795	425
8V4500	11 430	450
8V4750	12 065	475
8V5000	12 700	500
8V5600	14 225	560
8V6000	15 240	600



# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



DRIVEN BY POSSIBILITY™

## B

Description	Inside length	Effective length
	mm	mm
B35	889	935
B38	965	1 011
B40	1 016	1 092
B42	1 067	1 113
B41	1 041	1 118
B43	1 092	1 138
B44	1 118	1 194
B46	1 168	1 214
B47	1 194	1 240
B48	1 219	1 265
B50	1 270	1 316
B51	1 295	1 341
B52	1 321	1 367
B53	1 346	1 392
B54	1 372	1 417
B55	1 397	1 443
B56	1 422	1 468
B57	1 448	1 494
B58	1 473	1 519
B59	1 499	1 544
B60	1 524	1 570
B61	1 549	1 595
B62	1 575	1 621
B63	1 600	1 646
B64	1 626	1 671
B65	1 651	1 697
B66	1 676	1 722
B67	1 702	1 748
B68	1 727	1 773
B70	1 778	1 824
B71	1 803	1 849
B72	1 829	1 875
B73	1 854	1 900
B74	1 880	1 925
B75	1 905	1 951
B77	1 956	2 002
B78	1 981	2 027
B79	2 007	2 052
B80	2 032	2 078
B81	2 057	2 103
B82	2 083	2 129
B83	2 108	2 154
B84	2 134	2 180
B85	2 159	2 205
B86	2 184	2 230
B87	2 210	2 256
B88	2 235	2 281
B90	2 286	2 332
B92	2 337	2 383
B93	2 362	2 408
B94	2 388	2 434

Description	Inside length	Effective length
	mm	mm
B95	2 413	2 459
B96	2 438	2 484
B97	2 464	2 510
B99	2 515	2 560
B100	2 540	2 586
B103	2 616	2 662
B104	2 642	2 687
B105	2 667	2 713
B108	2 743	2 789
B109	2 769	2 845
B110	2 794	2 870
B112	2 845	2 891
B113	2 870	2 946
B114	2 896	2 972
B115	2 921	2 997
B116	2 946	3 023
B118	2 997	3 073
B120	3 048	3 094
B124	3 150	3 195
B128	3 251	3 297
B130	3 302	3 378
B133	3 378	3 424
B136	3 454	3 500
B138	3 505	3 581
B139	3 531	3 607
B140	3 556	3 632
B141	3 581	3 658
B144	3 658	3 780
B148	3 759	3 805
B150	3 810	3 886
B154	3 912	3 988
B158	4 013	4 059
B160	4 064	4 140
B162	4 115	4 161
B168	4 267	4 343
B173	4 394	4 440
B180	4 572	4 618
B185	4 699	4 775
B190	4 826	4 902
B195	4 953	4 999
B210	5 334	5 380
B218	5 537	5 613
B225	5 715	5 723
B240	6 096	6 104
B255	6 477	6 485
B270	6 858	6 866
B300	7 620	7 628
B315	8 001	8 009

# HI-POWER & SUPER HC™ POWERBAND™

WRAPPED, NARROW & CLASSICAL SECTION JOINED V-BELT



DRIVEN BY POSSIBILITY™

## C

Description	Inside length	Effective length
	mm	mm
C60	1 524	1 598
C68	1 727	1 801
C72	1 829	1 930
C75	1 905	1 979
C78	1 981	2 083
C81	2 057	2 131
C80	2 032	2 134
C85	2 159	2 233
C87	2 210	2 311
C90	2 286	2 360
C96	2 438	2 512
C99	2 515	2 588
C100	2 540	2 614
C105	2 667	2 741
C108	2 743	2 817
C109	2 769	2 842
C112	2 845	2 918
C120	3 048	3 122
C124	3 150	3 223
C126	3 200	3 302
C128	3 251	3 325
C136	3 454	3 528
C144	3 658	3 731
C146	3 708	3 810
C151	3 835	3 937
C158	4 013	4 087
C162	4 115	4 188
C173	4 394	4 468
C180	4 572	4 646
C185	4 699	4 801
C190	4 826	4 928
C195	4 953	5 027
C204	5 182	5 283
C210	5 334	5 408
C225	5 715	5 738
C240	6 096	6 119
C255	6 477	6 500
C270	6 858	6 881
C285	7 239	7 262
C300	7 620	7 643
C315	8 001	8 024
C330	8 382	8 405
C345	8 763	8 786
C360	9 144	9 167
C390	9 906	9 929
C420	10 668	10 688

## D

Description	Inside length	Effective length
	mm	mm
D120	3 048	3 132
D144	3 658	3 741
D158	4 013	4 097
D173	4 394	4 478
D180	4 572	4 656
D195	4 953	5 037
D210	5 334	5 418
D225	5 715	5 735
D240	6 096	6 116
D255	6 477	6 497
D270	6 858	6 878
D285	7 239	7 259
D300	7 620	7 640
D315	8 001	8 021
D330	8 382	8 402
D345	8 763	8 783
D360	9 144	9 164
D390	9 906	9 926
D420	10 668	10 688
D450	11 430	11 450
D480	12 192	12 212
D540	13 716	13 736
D600	15 240	15 260
D660	16 764	16 784





# QUAD-POWER™ 4

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

By using innovative minimal-stretch cord technology, Gates Quad-Power™ 4 raw edge V-belts are maintenance-free. Unlike conventional belts, the Quad-Power™ 4 V-belt does not suffer from severe tension decay in the first hours after installation. So no run-in period nor any re-tensioning are required. This new generation of **SERVICE FREE EPDM** belts are designed to extend product life time eliminating costly downtime for re-tensioning, repair and replacement.

## CONSTRUCTION

- Minimal-elongation polyester tensile cords allow for stable tension over the entire lifetime.
- Blue adhesion layer for an extra strong bonding of the tensile cords and the rubber compound.
- Optimized notching shape for reduced bending stress and improved efficiency.
- New generation EPDM rubber polymer to ensure a long service life and a wear-resistance when the belt is under extreme temperatures.

## BENEFITS

- Energy efficiencies up to 98%.
- Less downtime.
- Fewer replacements.
  - Higher performance.
- Wider temperature range.
- Halogen-free belt.
- Clear marking for an easy identification.
- Perfect fit on standard ISO/DIN and 3VX/5VX V-pulleys for RMA pulley grooves.
- REACH and RoHS 2 compliant.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- Match **system**: all sizes meet Gates **UNISET** tolerances: they can be installed without matching.
- Temperature range: -50°C to +130°C.

### Ordering code

XPZ600  
XPZ - Section  
600 - Datum length (mm)

3VX238  
3VX - Section  
238 - Effective length (23.8 inches)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent blue marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (datum length - mm)
XPZ/3VX	10	8	600 – 3 550
XPA	13	10	690 – 4 000
XPB/5VX	16	13	1 000 – 5 070
XPC	22	18	1 900 – 5 000

# QUAD-POWER™ 4

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## XPZ-3VX

Description	Datum length		Effective length	
	mm	Inches	mm	Inches
XPZ562/3VX223	562	22.3		
XPZ587/3VX233	587	23.3		
XPZ600/3VX238	600	23.8		
XPZ612/3VX243	612	24.3		
XPZ630/3VX250	630	25.0		
XPZ637/3VX252	637	25.2		
XPZ660/3VX261	660	26.1		
XPZ662/3VX262	662	26.2		
XPZ670/3VX265	670	26.5		
XPZ687/3VX272	687	27.2		
XPZ710/3VX280	710	28.0		
XPZ722/3VX286	722	28.6		
XPZ730/3VX289	730	28.9		
XPZ737/3VX292	737	29.2		
XPZ750/3VX297	750	29.7		
XPZ762/3VX300	762	30.0		
XPZ772/3VX305	772	30.5		
XPZ775/3VX307	775	30.7		
XPZ787/3VX311	787	31.1		
XPZ800/3VX315	800	31.5		
XPZ812/3VX321	812	32.1		
XPZ817/3VX323	817	32.3		
XPZ825/3VX325	825	32.5		
XPZ837/3VX331	837	33.1		
XPZ850/3VX335	850	33.5		
XPZ862/3VX341	862	34.1		
XPZ875/3VX346	875	34.6		
XPZ887/3VX350	887	35.0		
XPZ900/3VX355	900	35.5		
XPZ912/3VX360	912	36.0		
XPZ917/3VX362	917	36.2		
XPZ925/3VX366	925	36.6		
XPZ937/3VX370	937	37.0		
XPZ950/3VX375	950	37.5		
XPZ962/3VX380	962	38.0		
XPZ975/3VX385	975	38.5		
XPZ980/3VX387	980	38.7		
XPZ987/3VX390	987	39.0		
XPZ1000/3VX395	1 000	39.5		
XPZ1012/3VX400	1 012	40.0		
XPZ1025/3VX405	1 025	40.5		
XPZ1030/3VX407	1 030	40.7		
XPZ1037/3VX410	1 037	41.0		
XPZ1047/3VX414	1 047	41.4		
XPZ1060/3VX420	1 060	42.0		
XPZ1077/3VX425	1 077	42.5		
XPZ1080/3VX426	1 080	42.6		
XPZ1087/3VX429	1 087	42.9		
XPZ1110/3VX438	1 110	43.8		
XPZ1112/3VX439	1 112	43.9		
XPZ1120/3VX442	1 120	44.2		

Description	Datum length		Effective length	
	mm	Inches	mm	Inches
XPZ1137/3VX450	1 137	45.0		
XPZ1140/3VX450	1 140	45.0		
XPZ1150/3VX454	1 150	45.4		
XPZ1162/3VX459	1 162	45.9		
XPZ1180/3VX464	1 180	46.4		
XPZ1187/3VX469	1 187	46.9		
XPZ1202/3VX475	1 202	47.5		
XPZ1212/3VX479	1 212	47.9		
XPZ1220/3VX482	1 220	48.2		
XPZ1237/3VX487	1 237	48.7		
XPZ1250/3VX494	1 250	49.4		
XPZ1262/3VX500	1 262	50.0		
XPZ1270/3VX502	1 270	50.2		
XPZ1280/3VX505	1 280	50.5		
XPZ1287/3VX508	1 287	50.8		
XPZ1312/3VX518	1 312	51.8		
XPZ1320/3VX520	1 320	52.0		
XPZ1337/3VX530	1 337	53.0		
XPZ1347/3VX532	1 347	53.2		
XPZ1360/3VX537	1 360	53.7		
XPZ1362/3VX538	1 362	53.8		
XPZ1387/3VX548	1 387	54.8		
XPZ1400/3VX553	1 400	55.3		
XPZ1412/3VX560	1 412	56.0		
XPZ1420/3VX563	1 420	56.3		
XPZ1437/3VX567	1 437	56.7		
XPZ1450/3VX572	1 450	57.2		
XPZ1462/3VX578	1 462	57.8		
XPZ1487/3VX587	1 487	58.7		
XPZ1500/3VX590	1 500	59.0		
XPZ1512/3VX600	1 512	60.0		
XPZ1520/3VX603	1 520	60.3		
XPZ1537/3VX607	1 537	60.7		
XPZ1550/3VX612	1 550	61.2		
XPZ1562/3VX617	1 562	61.7		
XPZ1587/3VX626	1 587	62.6		
XPZ1600/3VX630	1 600	63.0		
XPZ1612/3VX637	1 612	63.7		
XPZ1637/3VX646	1 637	64.6		
XPZ1650/3VX650	1 650	65.0		
XPZ1662/3VX656	1 662	65.6		
XPZ1687/3VX666	1 687	66.6		
XPZ1700/3VX670	1 700	67.0		
XPZ1737/3VX686	1 737	68.6		
XPZ1750/3VX690	1 750	69.0		
XPZ1762/3VX696	1 762	69.6		
XPZ1787/3VX705	1 787	70.5		
XPZ1800/3VX710	1 800	71.0		
XPZ1812/3VX715	1 812	71.5		
XPZ1837/3VX725	1 837	72.5		
XPZ1850/3VX730	1 850	73.0		

Description	Datum length		Effective length	
	mm	Inches	mm	Inches
XPZ1862/3VX735	1 862	73.5		
XPZ1887/3VX745	1 887	74.5		
XPZ1900/3VX750	1 900	75.0		
XPZ1937/3VX765	1 937	76.5		
XPZ1950/3VX771	1 950	77.1		
XPZ1987/3VX784	1 987	78.4		
XPZ2000/3VX790	2 000	79.0		
XPZ2030/3VX800	2 030	80.0		
XPZ2037/3VX804	2 037	80.4		
XPZ2060/3VX813	2 060	81.3		
XPZ2120/3VX836	2 120	83.6		
XPZ2137/3VX843	2 137	84.3		
XPZ2160/3VX850	2 160	85.0		
XPZ2187/3VX863	2 187	86.3		
XPZ2240/3VX883	2 240	88.3		
XPZ2262/3VX892	2 262	89.2		
XPZ2280/3VX900	2 280	90.0		
XPZ2287/3VX902	2 287	90.2		
XPZ2360/3VX931	2 360	93.1		
XPZ2410/3VX950	2 410	95.0		
XPZ2430/3VX959	2 430	95.9		
XPZ2500/3VX986	2 500	98.6		
XPZ2540/3VX1000	2 540	100.0		
XPZ2650/3VX1045	2 650	104.5		
XPZ2690/3VX1060	2 690	106.0		
XPZ2800/3VX1104	2 800	110.4		
XPZ2840/3VX1120	2 840	112.0		
XPZ3000/3VX1180	3 000	118.0		
XPZ3150/3VX1242	3 150	124.2		
XPZ3350/3VX1320	3 350	132.0		
XPZ3550/3VX1400	3 550	140.0		



# QUAD-POWER™ 4

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## XPA

Description	Datum length mm
XPA690	690
XPA732	732
XPA747	747
XPA750	750
XPA757	757
XPA775	775
XPA782	782
XPA800	800
XPA807	807
XPA825	825
XPA832	832
XPA850	850
XPA857	857
XPA875	875
XPA882	882
XPA900	900
XPA907	907
XPA925	925
XPA932	932
XPA950	950
XPA957	957
XPA975	975
XPA982	982
XPA1000	1 000
XPA1007	1 007
XPA1030	1 030
XPA1060	1 060
XPA1069	1 069
XPA1082	1 082
XPA1090	1 090
XPA1107	1 107
XPA1120	1 120
XPA1132	1 132
XPA1140	1 140
XPA1142	1 142
XPA1150	1 150
XPA1157	1 157
XPA1172	1 172
XPA1180	1 180
XPA1207	1 207
XPA1215	1 215
XPA1220	1 220
XPA1232	1 232
XPA1250	1 250
XPA1257	1 257
XPA1272	1 272
XPA1282	1 282
XPA1285	1 285
XPA1307	1 307
XPA1320	1 320
XPA1332	1 332

Description	Datum length mm
XPA2180	2 180
XPA2207	2 207
XPA2232	2 232
XPA2240	2 240
XPA2282	2 282
XPA2300	2 300
XPA2307	2 307
XPA2332	2 332
XPA2360	2 360
XPA2382	2 382
XPA2430	2 430
XPA2482	2 482
XPA2500	2 500
XPA2532	2 532
XPA2582	2 582
XPA2607	2 607
XPA2632	2 632
XPA2650	2 650
XPA2682	2 682
XPA2732	2 732
XPA2782	2 782
XPA2800	2 800
XPA2832	2 832
XPA2847	2 847
XPA2882	2 882
XPA2900	2 900
XPA2932	2 932
XPA2982	2 982
XPA3000	3 000
XPA3150	3 150
XPA3350	3 350
XPA3550	3 550
XPA3750	3 750
XPA4000	4 000

Description	Datum length mm
XPA1357	1 357
XPA1360	1 360
XPA1367	1 367
XPA1382	1 382
XPA1400	1 400
XPA1407	1 407
XPA1432	1 432
XPA1442	1 442
XPA1450	1 450
XPA1457	1 457
XPA1462	1 462
XPA1482	1 482
XPA1500	1 500
XPA1507	1 507
XPA1522	1 522
XPA1532	1 532
XPA1550	1 550
XPA1557	1 557
XPA1582	1 582
XPA1600	1 600
XPA1607	1 607
XPA1632	1 632
XPA1650	1 650
XPA1657	1 657
XPA1680	1 680
XPA1682	1 682
XPA1700	1 700
XPA1707	1 707
XPA1732	1 732
XPA1750	1 750
XPA1757	1 757
XPA1782	1 782
XPA1800	1 800
XPA1807	1 807
XPA1832	1 832
XPA1850	1 850
XPA1857	1 857
XPA1882	1 882
XPA1900	1 900
XPA1907	1 907
XPA1932	1 932
XPA1950	1 950
XPA1957	1 957
XPA1982	1 982
XPA2000	2 000
XPA2032	2 032
XPA2057	2 057
XPA2060	2 060
XPA2082	2 082
XPA2120	2 120
XPA2132	2 132

# QUAD-POWER™ 4

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## XPB-5VX

Description	Datum length	Effective length
	mm	Inches
XPB1000/5VX398	1 000	39.8
XPB1060/5VX422	1 060	42.2
XPB1080/5VX430	1 080	43.0
XPB1120/5VX445	1 120	44.5
XPB1180/5VX470	1 180	47.0
XPB1250/5VX497	1 250	49.7
XPB1260/5VX500	1 260	50.0
XPB1280/5VX510	1 280	51.0
XPB1320/5VX524	1 320	52.4
XPB1340/5VX530	1 340	53.0
XPB1400/5VX556	1 400	55.6
XPB1410/5VX560	1 410	56.0
XPB1450/5VX575	1 450	57.5
XPB1500/5VX595	1 500	59.5
XPB1510/5VX600	1 510	60.0
XPB1550/5VX615	1 550	61.5
XPB1590/5VX630	1 590	63.0
XPB1600/5VX634	1 600	63.4
XPB1650/5VX654	1 650	65.4
XPB1690/5VX670	1 690	67.0
XPB1700/5VX674	1 700	67.4
XPB1750/5VX693	1 750	69.3
XPB1800/5VX713	1 800	71.3
XPB1850/5VX733	1 850	73.3
XPB1900/5VX750	1 900	75.0
XPB1950/5VX772	1 950	77.2
XPB2000/5VX790	2 000	79.0
XPB2020/5VX800	2 020	80.0
XPB2120/5VX840	2 120	84.0
XPB2150/5VX850	2 150	85.0
XPB2186/5VX860	2 186	86.0
XPB2240/5VX886	2 240	88.6
XPB2280/5VX900	2 280	90.0
XPB2300/5VX910	2 300	91.0
XPB2360/5VX934	2 360	93.4
XPB2410/5VX953	2 410	95.3
XPB2433/5VX960	2 433	96.0
XPB2500/5VX990	2 500	99.0
XPB2530/5VX1000	2 530	100.0
XPB2650/5VX1050	2 650	105.0
XPB2680/5VX1060	2 680	106.0
XPB2800/5VX1108	2 800	110.8
XPB2840/5VX1120	2 840	112.0
XPB2900/5VX1146	2 900	114.6
XPB2990/5VX1180	2 990	118.0
XPB3000/5VX1186	3 000	118.6
XPB3150/5VX1245	3 150	124.5
XPB3160/5VX1250	3 160	125.0
XPB3320/5VX1312	3 320	131.2
XPB3350/5VX1320	3 350	132.0
XPB3440/5VX1359	3 440	135.9

Description	Datum length	Effective length
	mm	Inches
XPB3550/5VX1400	3 550	140.0
XPB3750/5VX1481	3 750	148.1
XPB3800/5VX1500	3 800	150.0
XPB4000/5VX1579	4 000	157.9
XPB4053/5VX1600	4 053	160.0
XPB4250/5VX1678	4 250	167.8
XPB4307/5VX1700	4 307	170.0
XPB4500/5VX1776	4 500	177.6
XPB4560/5VX1800	4 560	180.0
XPB4750/5VX1875	4 750	187.5
XPB4815/5VX1900	4 815	190.0
XPB5000/5VX1973	5 000	197.3
XPB5070/5VX2000	5 070	200.0



# QUAD-POWER™ 4

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## XPC

Description	Datum length
	mm
XPC1900	1 900
XPC2000	2 000
XPC2120	2 120
XPC2240	2 240
XPC2360	2 360
XPC2500	2 500
XPC2650	2 650
XPC2800	2 800
XPC3000	3 000
XPC3150	3 150
XPC3350	3 350
XPC3550	3 550
XPC3750	3 750
XPC4000	4 000
XPC4250	4 250
XPC4500	4 500
XPC4750	4 750
XPC5000	5 000

# QUAD-POWER™ 4 POWERBAND™

RAW EDGE, MOULDED NOTCH, NARROW SECTION, JOINED V-BELT



DRIVEN BY POSSIBILITY™

Gates PowerBand™ belts are engineered for drives that are subject to pulsating loads, shock loads or extreme vibrations. By joining several Quad-Power™ 4 V-belts together, the Quad-Power™ 4 PowerBand™ offers a maintenance-free solution for those drive systems where single belts vibrate, turn over or jump off the pulleys. It comes with all of the advantages of the single belt: this SERVICE FREE EPDM belts are designed to extend product life time eliminating costly downtime for re-tensioning, repair and replacement. Furthermore these belts offer a broad temperature operating range.

## CONSTRUCTION

- Minimal-elongation polyester tensile cords allow for stable tension over the entire lifetime.
- PowerBand™ construction is built as one solid unit, which controls the belt-to-belt distance and prevents sideways bending. This provides excellent resistance against vibrations and shock loads.
- Flat back construction reduces noise when used with a back side idler or tensioner.
- EPDM rubber polymer to ensure a long service life and a wear-resistance when the belt is under extreme temperatures.

## BENEFITS

- Maintenance-free PowerBand™ V-belt with high stability on the most complex drives.
- Halogen-free belt.
- Perfect fit on standard ISO/DIN (for XPZ/XPA/XPB) or RMA (for 3VX/5VX) V-pulleys.
- Savings in drive space and weight thanks to high transmission efficiency.
- High stability and smooth running on the most complex drives.
- Significant design economies are possible.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- REACH and RoHS 2 compliant.
- Match** system: all sizes meet Gates **UNISET** tolerances: they can be installed without matching.
- Temperature range: -50°C to +130°C.

### Ordering code

XPB2500/2  
 XPB - Section  
 2500 - Datum length (mm)  
 2- Number of ribs

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent blue marking indicating the belt type and white marking indicating the belt dimensions.



### Sections and nominal dimensions

Section	Standard number of ribs				Rib spacing/ Pitch (mm)	Width (mm)	Height (mm)	Length range (datum length - mm)
	2	3	4	5				
XPZ	x	x	x		12.0	10	8	800 – 3 550
XPA	x	x			15.0	13	10	800 – 4 000
XPB	x	x			19.0	16	13	1 250 – 4 750

\*Branded as Super HC™ PowerBand™.



# QUAD-POWER™ 4 POWERBAND™

RAW EDGE, MOULDED NOTCH, NARROW SECTION, JOINED V-BELT



DRIVEN BY POSSIBILITY™

## XPZ

Description	Datum length
	mm
XPZ800	800
XPZ850	850
XPZ900	900
XPZ950	950
XPZ1000	1 000
XPZ1030	1 030
XPZ1060	1 060
XPZ1090	1 090
XPZ1120	1 120
XPZ1150	1 150
XPZ1180	1 180
XPZ1212	1 212
XPZ1250	1 250
XPZ1270	1 270
XPZ1320	1 320
XPZ1340	1 340
XPZ1362	1 362
XPZ1400	1 400
XPZ1420	1 420
XPZ1450	1 450
XPZ1487	1 487
XPZ1500	1 500
XPZ1550	1 550
XPZ1600	1 600
XPZ1650	1 650
XPZ1700	1 700
XPZ1750	1 750
XPZ1800	1 800
XPZ1850	1 850
XPZ1900	1 900
XPZ1950	1 950
XPZ2000	2 000
XPZ2030	2 030
XPZ2120	2 120
XPZ2160	2 160
XPZ2240	2 240
XPZ2360	2 360
XPZ2500	2 500
XPZ2650	2 650
XPZ2800	2 800
XPZ3000	3 000
XPZ3150	3 150
XPZ3350	3 350
XPZ3550	3 550

# QUAD-POWER™ 4 POWERBAND™

RAW EDGE, MOULDED NOTCH, NARROW SECTION, JOINED V-BELT



DRIVEN BY POSSIBILITY™

## XPA

Description	Datum length
mm	
XPA800	800
XPA850	850
XPA900	900
XPA950	950
XPA1000	1 000
XPA1030	1 030
XPA1060	1 060
XPA1090	1 090
XPA1120	1 120
XPA1150	1 150
XPA1180	1 180
XPA1250	1 250
XPA1320	1 320
XPA1360	1 360
XPA1400	1 400
XPA1450	1 450
XPA1500	1 500
XPA1550	1 550
XPA1600	1 600
XPA1650	1 650
XPA1700	1 700
XPA1750	1 750
XPA1800	1 800
XPA1850	1 850
XPA1900	1 900
XPA1950	1 950
XPA2000	2 000
XPA2060	2 060
XPA2120	2 120
XPA2240	2 240
XPA2360	2 360
XPA2430	2 430
XPA2500	2 500
XPA2650	2 650
XPA2800	2 800
XPA3000	3 000
XPA3150	3 150
XPA3350	3 350
XPA3550	3 550
XPA3750	3 750
XPA4000	4 000

## XPB

Description	Datum length
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™ 4 POWERBAND™

RAW EDGE, MOULDED NOTCH, NARROW SECTION, JOINED V-BELT



DRIVEN BY POSSIBILITY™

## 3VX

Description	Effective length	
	mm	Inches
3VX250	635	25.0
3VX265	675	26.5
3VX280	710	28.0
3VX300	760	30.0
3VX315	800	31.5
3VX335	850	33.5
3VX355	900	35.5
3VX375	950	37.5
3VX400	1 015	40.0
3VX425	1 080	42.5
3VX450	1 145	45.0
3VX475	1 205	47.5
3VX500	1 270	50.0
3VX530	1 345	53.0
3VX560	1 420	56.0
3VX600	1 525	60.0
3VX630	1 600	63.0
3VX670	1 700	67.0
3VX710	1 805	71.0
3VX750	1 905	75.0
3VX800	2 030	80.0
3VX850	2 160	85.0
3VX900	2 285	90.0
3VX950	2 415	95.0
3VX1000	2 540	100.0
3VX1060	2 690	106.0
3VX1120	2 845	112.0
3VX1180	2 995	118.0
3VX1250	3 175	125.0
3VX1320	3 355	132.0
3VX1400	3 555	140.0

## 5VX

Description	Effective length	
	mm	Inches
5VX500	1 270	50
5VX530	1 345	53
5VX560	1 420	56
5VX600	1 525	60
5VX630	1 600	63
5VX670	1 700	67
5VX710	1 805	71
5VX750	1 905	75
5VX800	2 030	80
5VX850	2 160	85
5VX900	2 285	90
5VX950	2 415	95
5VX1000	2 540	100
5VX1060	2 690	106
5VX1120	2 845	112
5VX1180	2 995	118
5VX1250	3 175	125
5VX1320	3 355	132
5VX1400	3 555	140
5VX1500	3 810	150
5VX1600	4 065	160
5VX1700	4 320	170
5VX1800	4 570	180
5VX1900	4 825	190
5VX2000	5 080	200

# PREDATOR™

HEAVY DUTY WRAPPED, NARROW SECTION V-BELT WITH ARAMID CORD



DRIVEN BY POSSIBILITY™



Gates Predator V-belts are the markets leading heavy duty V-belts. Unique in their extreme robustness and high load carrying capacity, they are unrivalled. They allow an excellent versatility and perform well in harsh environments and in extremely demanding applications where standard V-belts suffer performance issues. The distinctive trait of Predator belts lies in their construction: they have the highest power density of any V-belt and virtually zero stretch thanks to the use of high strength, high modulus aramid tensile cords.

## CONSTRUCTION

- Aramid cords confer the belt its 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.
- Improved rubber compounds provide superb oil and heat resistance.
- Non-rubber top surface allows momentary slippage due to excessive overloads without damaging the belt.

## BENEFITS

- At least 40% higher power ratings compared to standard construction V-belts.
- No need for constant belt re-tensioning: less maintenance, less downtime.
- Excellent versatility.
- Static conductive (ISO 1813 - except for the 8VP model) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- Available on demand in matched sets. Contact Customer Service for details.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (datum length - mm)
SPBP/5VP	16	13	1 500 – 8 000
SPCP	22	18	2 000 – 10 600
8VP	26	23	4 064 – 9 017

PREDATOR™ SPBP e SPCP P also available in PowerBand™, pag. 14.

### Ordering code

SPBP3350  
SPB - Section  
P - Predator version  
3350 - Datum length (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent silver marking indicating the belt type and white marking indicating the belt dimensions.



# PREDATOR™

HEAVY DUTY WRAPPED, NARROW SECTION V-BELT WITH ARAMID CORD



DRIVEN BY POSSIBILITY™

## SPBP-5VP

Description	Datum length	Effective length
	mm	Inches
SPBP1400	1 400	
SPBP1450	1 450	
SPBP1500	1 500	
SPBP1550	1 550	
SPBP1600/5VP630	1 600	63
SPBP1650	1 650	
SPBP1700/5VP670	1 700	67
SPBP1750	1 750	
SPBP1800/5VP710	1 800	71
SPBP1850	1 850	
SPBP1900/5VP750	1 900	75
SPBP1950	1 950	
SPBP2000	2 000	
SPBP2060	2 060	
SPBP2120	2 120	
SPBP2150	2 160	
SPBP2240	2 240	
SPBP2360	2 360	
SPBP2400	2 400	
SPBP2500	2 500	
SPBP2650	2 650	
SPBP2680	2 680	
SPBP2800	2 800	
SPBP2850	2 850	
SPBP2900	2 900	
SPBP3000/5VP1180	3 000	118
SPBP3150/5VP1250	3 150	125
SPBP3250	3 250	
SPBP3350/5VP1320	3 350	132
SPBP3550/5VP1400	3 550	140
SPBP3650	3 650	
SPBP3750/5VP1500	3 750	150
SPBP3800	3 800	
SPBP4000/5VP1600	4 000	160
SPBP4250/5VP1700	4 250	170
SPBP4500/5VP1800	4 500	180
SPBP4750	4 750	
SPBP5000/5VP2000	5 000	200
SPBP5300	5 300	
SPBP5600	5 600	
SPBP6000/5VP2360	6 000	236
SPBP6300/5VP2500	6 300	250
SPBP6700/5VP2650	6 700	265
SPBP7100/5VP2800	7 100	280
SPBP7500	7 500	
SPBP8000/5VP3150	8 000	315

## SPCP

Description	Datum length
	mm
SPCP2000	2 000
SPCP2120	2 120
SPCP2240	2 240
SPCP2360	2 360
SPCP2500	2 500
SPCP2650	2 650
SPCP2800	2 800
SPCP3000	3 000
SPCP3150	3 150
SPCP3350	3 350
SPCP3550	3 550
SPCP3750	3 750
SPCP4000	4 000
SPCP4250	4 250
SPCP4500	4 500
SPCP4750	4 750
SPCP5000	5 000
SPCP5300	5 300
SPCP5600	5 600
SPCP6000	6 000
SPCP6300	6 300
SPCP6700	6 700
SPCP7100	7 100
SPCP7500	7 500
SPCP8000	8 000
SPCP8500	8 500
SPCP9000	9 000
SPCP9500	9 500
SPCP10000	10 000
SPCP10600	10 600

# PREDATOR™

HEAVY DUTY WRAPPED, NARROW SECTION V-BELT WITH ARAMID CORD



DRIVEN BY POSSIBILITY™

## 8VP

Description	Effective length	
	mm	Inches
8VP1600	4 064	160
8VP1700	4 318	170
8VP1800	4 572	180
8VP1900	4 826	190
8VP2000	5 080	200
8VP2120	5 385	212
8VP2240	5 690	224
8VP2360	5 994	236
8VP2500	6 350	250
8VP2650	6 731	265
8VP2800	7 112	280
8VP3000	7 620	300
8VP3150	8 001	315
8VP3350	8 509	335
8VP3550	9 017	355



# PREDATOR™ POWERBAND

WRAPPED NARROW SECTION JOINED V-BELT WITH ARAMID CORD



Gates' Predator™ PowerBand™ belt design offers a solution for those drive systems where single belts vibrate, turn over or jump off the pulleys. It consists of several V-belts joined together by a permanent, high-strength tie band allowing the belts to work together as one unit. The Predator™ Powerband™ belt is specially designed for demanding applications and harsh environments and offers a high resistance to vibration. Predator™ Powerband™ are available in SPBP, SPCP, 5VP/15JP and 8VP section.

## CONSTRUCTION

- Narrow sections.
- Strong tie band joins the back of all belts.
- Flex bonded aramid cords.
- Double layered fabric cover on the back.
- Fibre-loaded polymer for improved belt stability.
- Gates' curved section profile provide full contact with pulley grooves for uniform loading of cords, uniform wear and increased belt life.
- The belt does not catch fire due to frictional overheating, even under severe slippage.

## BENEFITS

- At least 40% higher power ratings compared to standard construction V-belts.
- No need for constant belt re-tensioning.
- Aramid cords easily handle shock loads.
- Less maintenance, less downtime.
- Excellent versatility.
- The multiple layer tie band that provides excellent lateral rigidity to prevent belts from turning over or from coming off the drive.
- Predator™ PowerBand™ belts are static conductive (ISO 1813) (except for the 8VP model) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- Available on demand in matched sets. Contact Customer Service for details.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.

### Ordering code

SPBP3350/3  
 SPB - Section  
 P – Predator version  
 3350 - Datum length (mm)  
 3 – Number of ribs

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent silver marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Rib spacing/Pitch (mm)	Available number of ribs	Length range (datum length - mm)
SPBP	16	13	19.0	2 ÷ 16	2 120 – 8 000
SPCP	22	18	25.5	2 ÷ 12	3 000 – 11 200
5VP/15JP	16	13	17.5	2 ÷ 16	1 400 – 9 000 effective length - mm
8VP/25JP	26	23	28.6	2 ÷ 12	2 540 – 15 240 effective length - mm

# PREDATOR™ POWERBAND

WRAPPED NARROW SECTION JOINED V-BELT WITH ARAMID CORD



DRIVEN BY POSSIBILITY™

## SPBP

Description	Datum length
	mm
SPBP2120	2 120
SPBP2240	2 240
SPBP2360	2 360
SPBP2400	2 400
SPBP2500	2 500
SPBP2650	2 650
SPBP2800	2 800
SPBP2900	2 900
SPBP3000	3 000
SPBP3150	3 150
SPBP3250	3 250
SPBP3350	3 350
SPBP3550	3 550
SPBP3650	3 650
SPBP3750	3 750
SPBP3800	3 800
SPBP4000	4 000
SPBP4250	4 250
SPBP4500	4 500
SPBP4750	4 750
SPBP5000	5 000
SPBP5300	5 300
SPBP5600	5 600
SPBP6000	6 000
SPBP6300	6 300
SPBP6700	6 700
SPBP7100	7 100
SPBP7500	7 500
SPBP8000	8 000

## SPCP

Description	Datum length
	mm
SPCP3000	3 000
SPCP3150	3 150
SPCP3350	3 350
SPCP3550	3 550
SPCP3750	3 750
SPCP4000	4 000
SPCP4250	4 250
SPCP4500	4 500
SPCP4750	4 750
SPCP5000	5 000
SPCP5300	5 300
SPCP5600	5 600
SPCP6000	6 000
SPCP6300	6 300
SPCP6700	6 700
SPCP7100	7 100
SPCP7500	7 500
SPCP8000	8 000
SPCP8500	8 500
SPCP9000	9 000
SPCP9500	9 500
SPCP10000	10 000
SPCP10600	10 600
SPCP11200	11 200



# PREDATOR™ POWERBAND

WRAPPED NARROW SECTION JOINED V-BELT WITH ARAMID CORD



DRIVEN BY POSSIBILITY™

## 5VP-15JP

Description	Effective length	
	mm	Inches
5VP560 15JP1420	1 420	56
5VP600 15JP1525	1 525	60
5VP630 15JP1600	1 600	63
5VP670 15JP1700	1 700	67
5VP710 15JP1800	1 800	71
5VP750 15JP1900	1 900	75
5VP800 15JP2030	2 030	80
5VP850 15JP2160	2 160	85
5VP900 15JP2285	2 285	90
5VP950 15JP2415	2 415	95
5VP1000 15JP2540	2 540	100
5VP1060 15JP2690	2 690	106
5VP1120 15JP2845	2 845	112
5VP1180 15JP3000	3 000	118
5VP1250 15JP3175	3 175	125
5VP1320 15JP3350	3 350	132
5VP1400 15JP3550	3 550	140
5VP1500 15JP3810	3 810	150
5VP1600 15JP4065	4 065	160
5VP1700 15JP4315	4 315	170
5VP1800 15JP4570	4 570	180
5VP1900 15JP4825	4 825	190
5VP2000 15JP5080	5 080	200
5VP2120 15JP5385	5 385	212
5VP2240 15JP5690	5 690	224
5VP2360 15JP6000	6 000	236
5VP2500 15JP6350	6 350	250
5VP2650 15JP6730	6 730	265
5VP2800 15JP7100	7 100	280
5VP3000 15JP7620	7 620	300
5VP3150 15JP8000	8 000	315
5VP3350 15JP8500	8 500	335
5VP3550 15JP9000	9 000	355

## 8VP-25JP

Description	Effective length	
	mm	Inches
8VP1000	2 540	100
8VP1060	2 690	106
8VP1120	2 845	112
8VP1180	2 995	118
8VP1250	3 175	125
8VP1320	3 355	132
8VP1400	3 555	140
8VP1500	3 810	150
8VP1600	4 064	160
8VP1700	4 318	170
8VP1800	4 572	180
8VP1900	4 826	190
8VP2000	5 080	200
8VP2120	5 385	212
8VP2240	5 690	224
8VP2360	5 994	236
8VP2500	6 350	250
8VP2650	6 731	265
8VP2800	7 112	280
8VP3000	7 620	300
8VP3150	8 001	315
8VP3350	8 509	335
8VP3550	9 017	355
8VP3750	9 525	375
8VP4000	10 160	400
8VP4250	10 795	425
8VP4500	11 430	450
8VP4750	12 065	475
8VP5000	12 700	500
8VP5600	14 225	560
8VP6000	15 240	600

# SUPER HC™ MN

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™



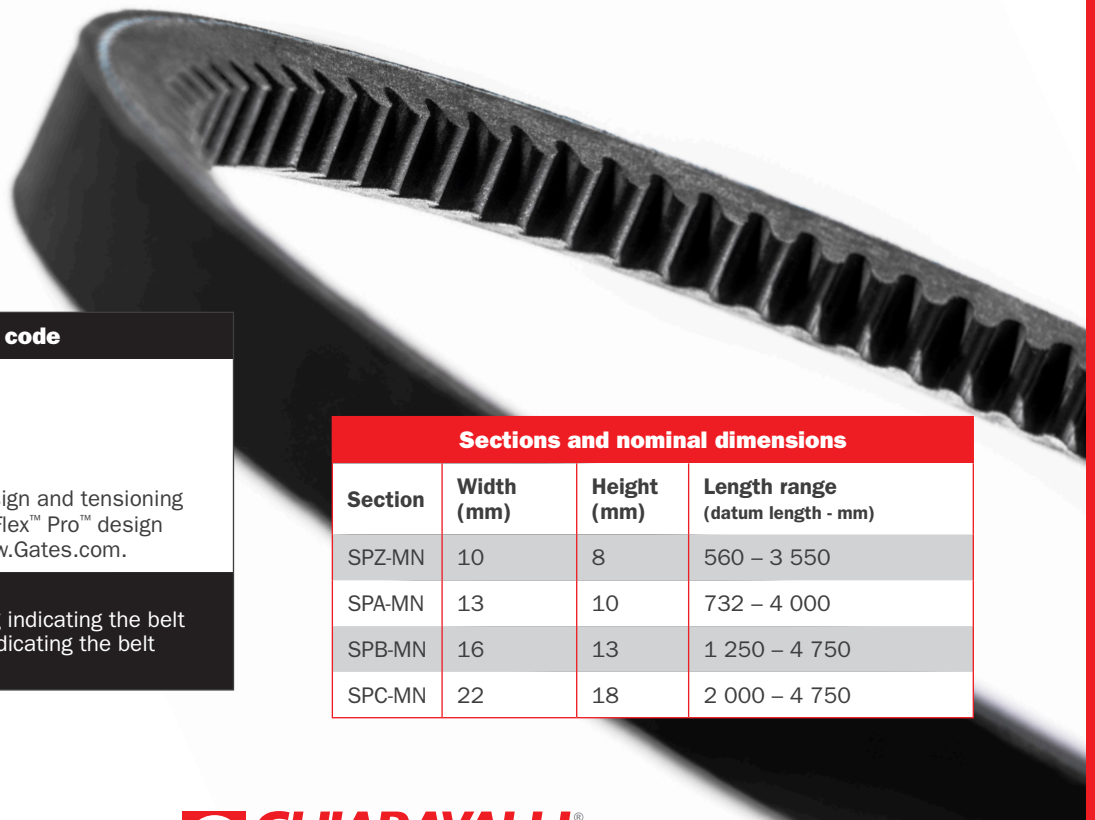
Super HC™ MN V-belts allow for a superior power delivery in high speeds, high transmission ratios or small pulley diameters application, thus offering significant benefits compared to conventional section V-belts. Developed through specialised research, the Super HC™ MN belt is highly recommended for use on all industrial drives featuring heavy-duty, narrow section V-belt. With an increased transmission efficiency, this belt allows for a more compact and highly economical drive design. Super HC™ MN belts are available in ISO datum lengths up to 4 750mm.

## CONSTRUCTION

- MN = Moulded Notches: this feature reduce thermal and bending stresses by evenly distributing them. The moulded notch pattern also reduces noise.
- Precisely dimensioned, ground straight sidewalls give a uniform wedging action and ensure the belt fits correctly in the pulley grooves.
- Back idlers can be used.
- The “flex-bonded” polyester tensile cords are vulcanised into a monolithic structural mass, provide superior resistance to tensile and flexing forces, fatigue and shock loads.
- Elastomeric polymer protects the belt against heat, ozone and sunlight.
- The belt does not catch fire due to frictional overheating, even under severe slippage.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.

## BENEFITS

- Excellent price/performance ratio.
- More compact design compared to classical section V-belts.
- Cost and space savings by reducing size of pulleys, bearings, guards and mounts.
- Improved belt life and reduction of costly maintenance time.
- Match **system**: all sizes meet Gates **UNISSET** tolerances: they can be installed without matching.
- REACH and RoHS 2 compliant.
- Temperature range: -30°C to +60°C.



### Ordering code

SPZ560MN  
SPZ - Section  
560 - Datum length (mm)  
MN - Moulded notch

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent yellow marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (datum length - mm)
SPZ-MN	10	8	560 – 3 550
SPA-MN	13	10	732 – 4 000
SPB-MN	16	13	1 250 – 4 750
SPC-MN	22	18	2 000 – 4 750





# SUPER HC™ MN

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## SPZ

Description	Datum length mm
SPZ560MN	560
SPZ562MN	562
SPZ612MN	612
SPZ630MN	630
SPZ637MN	637
SPZ662MN	662
SPZ670MN	670
SPZ687MN	687
SPZ710MN	710
SPZ722MN	722
SPZ730MN	730
SPZ737MN	737
SPZ750MN	750
SPZ760MN	760
SPZ762MN	762
SPZ772MN	772
SPZ775MN	775
SPZ787MN	787
SPZ800MN	800
SPZ812MN	812
SPZ825MN	825
SPZ837MN	837
SPZ850MN	850
SPZ862MN	862
SPZ875MN	875
SPZ887MN	887
SPZ900MN	900
SPZ912MN	912
SPZ925MN	925
SPZ937MN	937
SPZ950MN	950
SPZ962MN	962
SPZ975MN	975
SPZ987MN	987
SPZ1000MN	1 000
SPZ1010MN	1 010
SPZ1012MN	1 012
SPZ1025MN	1 025
SPZ1030MN	1 030
SPZ1037MN	1 037
SPZ1047MN	1 047
SPZ1060MN	1 060
SPZ1062MN	1 062
SPZ1077MN	1 077
SPZ1080MN	1 080
SPZ1087MN	1 087
SPZ1090MN	1 090
SPZ1112MN	1 112
SPZ1120MN	1 120
SPZ1137MN	1 137
SPZ1140MN	1 140

Description	Datum length mm
SPZ1150MN	1 150
SPZ1162MN	1 162
SPZ1180MN	1 180
SPZ1187MN	1 187
SPZ1200MN	1 200
SPZ1202MN	1 202
SPZ1212MN	1 212
SPZ1237MN	1 237
SPZ1250MN	1 250
SPZ1262MN	1 262
SPZ1270MN	1 270
SPZ1287MN	1 287
SPZ1312MN	1 312
SPZ1320MN	1 320
SPZ1337MN	1 337
SPZ1340MN	1 340
SPZ1347MN	1 347
SPZ1362MN	1 362
SPZ1387MN	1 387
SPZ1400MN	1 400
SPZ1412MN	1 412
SPZ1420MN	1 420
SPZ1437MN	1 437
SPZ1450MN	1 450
SPZ1462MN	1 462
SPZ1487MN	1 487
SPZ1500MN	1 500
SPZ1512MN	1 512
SPZ1520MN	1 520
SPZ1537MN	1 537
SPZ1550MN	1 550
SPZ1562MN	1 562
SPZ1587MN	1 587
SPZ1600MN	1 600
SPZ1612MN	1 612
SPZ1637MN	1 637
SPZ1650MN	1 650
SPZ1662MN	1 662
SPZ1687MN	1 687
SPZ1700MN	1 700
SPZ1737MN	1 737
SPZ1750MN	1 750
SPZ1762MN	1 762
SPZ1782MN	1 782
SPZ1787MN	1 787
SPZ1800MN	1 800
SPZ1812MN	1 812
SPZ1837MN	1 837
SPZ1850MN	1 850
SPZ1862MN	1 862
SPZ1887MN	1 887

Description	Datum length mm
SPZ1900MN	1 900
SPZ1937MN	1 937
SPZ1950MN	1 950
SPZ1987MN	1 987
SPZ2000MN	2 000
SPZ2037MN	2 037
SPZ2060MN	2 060
SPZ2120MN	2 120
SPZ2137MN	2 137
SPZ2160MN	2 160
SPZ2180MN	2 180
SPZ2187MN	2 187
SPZ2240MN	2 240
SPZ2262MN	2 262
SPZ2280MN	2 280
SPZ2287MN	2 287
SPZ2360MN	2 360
SPZ2410MN	2 410
SPZ2430MN	2 430
SPZ2500MN	2 500
SPZ2540MN	2 540
SPZ2650MN	2 650
SPZ2690MN	2 690
SPZ2800MN	2 800
SPZ2840MN	2 840
SPZ3000MN	3 000
SPZ3150MN	3 150
SPZ3350MN	3 350
SPZ3550MN	3 550

# SUPER HC™ MN

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## SPA

Description	Datum length
	mm
SPA732MN	732
SPA757MN	757
SPA782MN	782
SPA800MN	800
SPA807MN	807
SPA819MN	819
SPA832MN	832
SPA850MN	850
SPA857MN	857
SPA882MN	882
SPA900MN	900
SPA907MN	907
SPA925MN	925
SPA932MN	932
SPA950MN	950
SPA957MN	957
SPA975MN	975
SPA982MN	982
SPA1000MN	1 000
SPA1007MN	1 007
SPA1030MN	1 030
SPA1032MN	1 032
SPA1060MN	1 060
SPA1082MN	1 082
SPA1090MN	1 090
SPA1107MN	1 107
SPA1120MN	1 120
SPA1132MN	1 132
SPA1140MN	1 140
SPA1150MN	1 150
SPA1157MN	1 157
SPA1180MN	1 180
SPA1207MN	1 207
SPA1215MN	1 215
SPA1232MN	1 232
SPA1250MN	1 250
SPA1257MN	1 257
SPA1272MN	1 272
SPA1282MN	1 282
SPA1285MN	1 285
SPA1307MN	1 307
SPA1320MN	1 320
SPA1332MN	1 332
SPA1357MN	1 357
SPA1360MN	1 360
SPA1382MN	1 382
SPA1400MN	1 400
SPA1407MN	1 407
SPA1432MN	1 432
SPA1450MN	1 450
SPA1457MN	1 457

Description	Datum length
	mm
SPA1482MN	1 482
SPA1500MN	1 500
SPA1507MN	1 507
SPA1532MN	1 532
SPA1550MN	1 550
SPA1557MN	1 557
SPA1582MN	1 582
SPA1600MN	1 600
SPA1607MN	1 607
SPA1632MN	1 632
SPA1650MN	1 650
SPA1657MN	1 657
SPA1682MN	1 682
SPA1700MN	1 700
SPA1707MN	1 707
SPA1732MN	1 732
SPA1750MN	1 750
SPA1757MN	1 757
SPA1782MN	1 782
SPA1800MN	1 800
SPA1807MN	1 807
SPA1832MN	1 832
SPA1857MN	1 857
SPA1882MN	1 882
SPA1900MN	1 900
SPA1907MN	1 907
SPA1932MN	1 932
SPA1950MN	1 950
SPA1957MN	1 957
SPA1982MN	1 982
SPA2000MN	2 000
SPA2032MN	2 032
SPA2057MN	2 057
SPA2060MN	2 060
SPA2082MN	2 082
SPA2120MN	2 120
SPA2132MN	2 132
SPA2182MN	2 182
SPA2207MN	2 207
SPA2232MN	2 232
SPA2240MN	2 240
SPA2282MN	2 282
SPA2300MN	2 300
SPA2307MN	2 307
SPA2332MN	2 332
SPA2360MN	2 360
SPA2382MN	2 382
SPA2430MN	2 430
SPA2482MN	2 482
SPA2500MN	2 500
SPA2532MN	2 532

Description	Datum length
	mm
SPA2582MN	2 582
SPA2607MN	2 607
SPA2632MN	2 632
SPA2650MN	2 650
SPA2682MN	2 682
SPA2732MN	2 732
SPA2782MN	2 782
SPA2800MN	2 800
SPA2832MN	2 832
SPA2847MN	2 847
SPA2882MN	2 882
SPA2900MN	2 900
SPA2932MN	2 932
SPA2982MN	2 982
SPA3000MN	3 000
SPA3150MN	3 150
SPA3350MN	3 350
SPA3550MN	3 550
SPA3750MN	3 750
SPA4000MN	4 000



# SUPER HC™ MN

RAW EDGE, MOULDED NOTCH, NARROW SECTION V-BELT



DRIVEN BY POSSIBILITY™

## SPB

Description	Datum length
	mm
SPB1250MN	1 250
SPB1260MN	1 260
SPB1320MN	1 320
SPB1340MN	1 340
SPB1400MN	1 400
SPB1410MN	1 410
SPB1500MN	1 500
SPB1510MN	1 510
SPB1590MN	1 590
SPB1600MN	1 600
SPB1690MN	1 690
SPB1700MN	1 700
SPB1750MN	1 750
SPB1800MN	1 800
SPB1900MN	1 900
SPB2000MN	2 000
SPB2020MN	2 020
SPB2120MN	2 120
SPB2150MN	2 150
SPB2240MN	2 240
SPB2280MN	2 280
SPB2360MN	2 360
SPB2410MN	2 410
SPB2500MN	2 500
SPB2530MN	2 530
SPB2650MN	2 650
SPB2680MN	2 680
SPB2800MN	2 800
SPB2840MN	2 840
SPB2990MN	2 990
SPB3000MN	3 000
SPB3150MN	3 150
SPB3350MN	3 350
SPB3550MN	3 550
SPB3750MN	3 750
SPB4000MN	4 000
SPB4250MN	4 250
SPB4500MN	4 500
SPB4750MN	4 750

## SPC

Description	Datum length
	mm
SPC2000MN	2 000
SPC2120MN	2 120
SPC2240MN	2 240
SPC2360MN	2 360
SPC2500MN	2 500
SPC2650MN	2 650
SPC2800MN	2 800
SPC3000MN	3 000
SPC3150MN	3 150
SPC3350MN	3 350
SPC3550MN	3 550
SPC3750MN	3 750
SPC4000MN	4 000
SPC4250MN	4 250
SPC4500MN	4 500
SPC4750MN	4 750

# TRI-POWER™

RAW EDGE, MOULDED NOTCH, CLASSICAL SECTION V-BELT



DRIVEN BY POSSIBILITY™



Gates Tri-Power™ V-belt is built for superior performance on heavy duty drives with classical section. The raw edge construction and special notch design makes the Tri-Power™ belt particularly suitable for drives requiring small diameter pulleys and back idlers. The EPDM polymer allows the belt to handle extreme temperatures up to +120°C.

## CONSTRUCTION

- Classical section/profile construction.
- Static conductive compliant with ISO and RMA standards for use in explosive environments.
- Flex Bonded tensile cords for resistance to bending stress and separation.
- Cross oriented fibre rubber polymer for flexibility and stability.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- EPDM rubber polymer to ensure a long service life and a wear-resistance when the belt is under extreme temperatures.

## BENEFITS

- Notched construction to allow bending around small diameter pulleys.
- **Match** system: all sizes meet Gates **UNISSET** tolerances: they can be installed without matching.
- Raw edge, moulded notch construction saves up to 3% on energy costs compared to wrapped belts.
- Improved flexibility for increased performance on small diameter pulleys.
- REACH and RoHS 2 compliant.
- Temperature range: -50°C to +120°C.



### Ordering code

AX39  
AX - Section  
39 - Inside length (inches)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Permanent red marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (effective length - mm)
AX	13	8	585 – 4 445
BX	17	11	610 – 9 221
CX	22	14	1 397- 9 246



# TRI-POWER™

RAW EDGE, MOULDED NOTCH, CLASSICAL SECTION V-BELT



DRIVEN BY POSSIBILITY™

## AX

Description	Effective length	
	mm	Inches
AX21	585	23
AX22	610	24
AX23	635	25
AX24	661	26
AX25	686	27
AX26	712	28
AX27	737	29
AX28	762	30
AX29	788	31
AX30	813	32
AX31	839	33
AX32	864	34
AX33	889	35
AX34	915	36
AX35	940	37
AX36	966	38
AX37	991	39
AX38	1 016	40
AX39	1 042	41
AX40	1 067	42
AX41	1 093	43
AX42	1 118	44
AX43	1 143	45
AX44	1 169	46
AX45	1 194	47
AX46	1 220	48
AX47	1 245	49
AX48	1 270	50
AX49	1 296	51
AX50	1 321	52
AX51	1 347	53
AX52	1 372	54
AX53	1 397	55
AX54	1 423	56
AX55	1 448	57
AX56	1 474	58
AX57	1 499	59
AX58	1 524	60
AX59	1 550	61
AX60	1 575	62
AX61	1 601	63
AX62	1 626	64
AX63	1 651	65
AX64	1 677	66
AX65	1 702	67
AX66	1 728	68
AX67	1 753	69
AX68	1 778	70
AX69	1 804	71
AX70	1 829	72
AX71	1 855	73

Description	Effective length	
	mm	Inches
AX72	1 880	74
AX73	1 905	75
AX74	1 931	76
AX75	1 956	77
AX76	1 982	78
AX77	2 007	79
AX78	2 032	80
AX79	2 058	81
AX80	2 083	82
AX81	2 109	83
AX82	2 134	84
AX83	2 159	85
AX84	2 185	86
AX85	2 210	87
AX86	2 236	88
AX87	2 261	89
AX88	2 286	90
AX89	2 312	91
AX90	2 337	92
AX91	2 363	93
AX92	2 388	94
AX93	2 413	95
AX94	2 439	96
AX95	2 464	97
AX96	2 490	98
AX97	2 515	99
AX98	2 540	100
AX99	2 566	101
AX100	2 591	102
AX103	2 667	105
AX105	2 718	107
AX110	2 845	112
AX112	2 896	114
AX120	3 099	122
AX128	3 302	130
AX144	3 709	146
AX173	4 445	175

# TRI-POWER™

RAW EDGE, MOULDED NOTCH, CLASSICAL SECTION V-BELT



DRIVEN BY POSSIBILITY™

## BX

Description	Effective length	Effective length
	mm	Inches
BX21	610	24
BX24	686	27
BX25	712	28
BX26	737	29
BX27	762	30
BX28	788	31
BX29	813	32
BX30	839	33
BX31	864	34
BX32	889	35
BX33	915	36
BX34	940	37
BX35	966	38
BX36	991	39
BX37	1 016	40
BX38	1 042	41
BX39	1 067	42
BX40	1 093	43
BX41	1 118	44
BX42	1 143	45
BX43	1 169	46
BX44	1 194	47
BX45	1 220	48
BX46	1 245	49
BX47	1 270	50
BX48	1 296	51
BX49	1 321	52
BX50	1 347	53
BX51	1 372	54
BX52	1 397	55
BX53	1 423	56
BX54	1 448	57
BX55	1 474	58
BX56	1 499	59
BX57	1 524	60
BX58	1 550	61
BX59	1 575	62
BX60	1 601	63
BX61	1 626	64
BX62	1 651	65
BX63	1 677	66
BX64	1 702	67
BX65	1 728	68
BX66	1 753	69
BX67	1 778	70
BX68	1 804	71
BX69	1 829	72
BX70	1 855	73
BX71	1 880	74
BX72	1 905	75
BX73	1 931	76

Description	Effective length	Effective length
	mm	Inches
BX74	1 956	77
BX75	1 982	78
BX76	2 007	79
BX77	2 032	80
BX78	2 058	81
BX79	2 083	82
BX80	2 109	83
BX81	2 134	84
BX82	2 159	85
BX83	2 185	86
BX84	2 210	87
BX85	2 236	88
BX86	2 261	89
BX87	2 286	90
BX88	2 312	91
BX89	2 337	92
BX90	2 363	93
BX91	2 388	94
BX92	2 413	95
BX93	2 439	96
BX94	2 464	97
BX95	2 490	98
BX96	2 515	99
BX97	2 540	100
BX98	2 566	101
BX99	2 591	102
BX100	2 617	103
BX103	2 693	106
BX105	2 744	108
BX106	2 769	109
BX108	2 820	111
BX110	2 871	113
BX112	2 921	115
BX113	2 947	116
BX115	2 998	118
BX116	3 023	119
BX120	3 125	123
BX123	3 201	126
BX124	3 226	127
BX128	3 328	131
BX133	3 455	136
BX136	3 531	139
BX140	3 633	143
BX144	3 734	147
BX148	3 836	151
BX150	3 887	153
BX158	4 090	161
BX162	4 191	165
BX173	4 471	176
BX180	4 649	183
BX195	5 030	198

Description	Effective length	Effective length
	mm	Inches
BX205	5 284	208
BX210	5 411	213
BX225	5 792	228
BX240	6 173	243
BX255	6 554	258
BX259	6 655	262
BX270	6 935	273
BX285	7 316	288
BX300	7 697	303
BX330	8 459	333
BX360	9 221	363



# TRI-POWER™

RAW EDGE, MOULDED NOTCH, CLASSICAL SECTION V-BELT



DRIVEN BY POSSIBILITY™

## CX

Description	Effective length	
	mm	Inches
CX51	1 397	55
CX60	1 626	64
CX64	1 728	68
CX68	1 829	72
CX72	1 931	76
CX75	2 007	79
CX77	2 058	81
CX78	2 083	82
CX81	2 159	85
CX82	2 185	86
CX83	2 210	87
CX85	2 261	89
CX90	2 388	94
CX96	2 540	100
CX98	2 591	102
CX100	2 642	104
CX101	2 667	105
CX105	2 769	109
CX106	2 794	110
CX109	2 871	113
CX112	2 947	116
CX115	3 023	119
CX120	3 150	124
CX123	3 226	127
CX128	3 353	132
CX133	3 480	137
CX136	3 556	140
CX144	3 760	148
CX150	3 912	154
CX158	4 115	162
CX162	4 217	166
CX173	4 496	177
CX180	4 674	184
CX187	4 852	191
CX190	4 928	194
CX195	5 055	199
CX210	5 436	214
CX225	5 817	229
CX240	6 198	244
CX255	6 579	259
CX270	6 960	274
CX300	7 722	304
CX330	8 484	334
CX360	9 246	364

# HI-POWER™ DUBL-V

WRAPPED, CLASSICAL SECTION AND DOUBLE SIDED V-BELT



DRIVEN BY POSSIBILITY™

The Hi-Power™ Dubl-V belt is characterised by a double trapezoid profile. It uses flex-bonded tensile cords, which are highly resistant to flexing forces, and a protective Flex-Weave™ fabric cover. It is the ideal solution for “serpentine” drives (with shafts rotating counter-clockwise) where power is transmitted from both the top and the bottom of the belts. This belt is designed with a unique recessed top and bottom to maintain sidewalls contact, while remaining flexible, in those drive systems that require power transmission from both sides of the belt. Suitable for all industrial serpentine applications requiring rotation reversal on some driven shafts.

## CONSTRUCTION

- Gates' curved section profile provide full contact with pulley grooves for uniform loading of cords, uniform wear and increased belt life.
- Flex-Bonded cords are strongly bonded to the body of the belt, allowing for an equal load distribution and the absorption of bending stress, without cord deterioration.
- The Flex-Weave™ cover is a patented construction for increased durability, that provides a long-lasting protection to the core of the belt from oil, dirt, and heat.
- Conventional section.

## BENEFITS

- Power transmission from both sides of the belt.
- Premium performance.
- Suitable for dirty/dusty environments.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- **Match** system: all sizes meet Gates **UNISSET** tolerances: they can be installed without matching. (Hi-Power™ Dubl-V DD not included in UNISSET tolerances).
- Temperature range: -30°C to +60°C.



### Ordering code

AA51  
AA - Section (double)  
51 - Inside length (inches)

NOTE: For correct design and tensioning of the belt please consult with our application engineering team.

### Identification

White marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (effective length - mm)
AA	13	10	1 350 – 3 290
BB	17	14	940 – 7 635
CC	22	18	1 980 – 10 690
DD	32	25	6 875 – 9 160





# HI-POWER DUBL-V

WRAPPED, CLASSICAL SECTION AND DOUBLE SIDED V-BELT



DRIVEN BY POSSIBILITY™

## AA

Description	Effective length	Datum length
	mm	mm
AA51	1 350	1 330
AA55	1 450	1 435
AA60	1 575	1 560
AA62	1 625	1 615
AA64	1 678	1 663
AA66	1 727	1 715
AA68	1 780	1 765
AA70	1 829	1 815
AA73	1 905	1 895
AA75	1 960	1 940
AA78	2 032	2 020
AA80	2 085	2 070
AA85	2 210	2 195
AA86	2 237	2 222
AA88	2 288	2 273
AA90	2 340	2 325
AA92	2 390	2 375
AA96	2 490	2 475
AA105	2 720	2 705
AA112	2 900	2 880
AA120	3 100	3 085
AA128	3 305	3 290
AA148	3 810	3 800

# HI-POWER™ DUBL-V

WRAPPED, CLASSICAL SECTION AND DOUBLE SIDED V-BELT



DRIVEN BY POSSIBILITY™

## BB

Description	Effective length	Datum length
	mm	mm
BB35	965	940
BB38	1 040	1 015
BB42	1 140	1 120
BB43	1 165	1 145
BB45	1 215	1 195
BB46	1 240	1 220
BB51	1 370	1 345
BB53	1 420	1 395
BB55	1 470	1 450
BB60	1 600	1 575
BB64	1 702	1 675
BB66	1 750	1 730
BB68	1 800	1 780
BB71	1 880	1 855
BB72	1 905	1 880
BB73	1 925	1 905
BB74	1 955	1 930
BB75	1 980	1 955
BB81	2 130	2 110
BB83	2 185	2 160
BB85	2 235	2 210
BB90	2 360	2 335
BB92	2 410	2 390
BB93	2 435	2 415
BB94	2 460	2 440
BB95	2 485	2 465
BB96	2 510	2 490
BB97	2 535	2 515
BB100	2 615	2 595
BB103	2 692	2 665
BB105	2 740	2 720
BB107	2 790	2 770
BB108	2 815	2 795
BB111	2 895	2 870
BB112	2 920	2 895
BB114	2 972	2 945
BB116	3 020	3 000
BB117	3 048	3 020
BB118	3 070	3 050
BB120	3 120	3 100
BB122	3 170	3 150
BB123	3 195	3 175
BB124	3 220	3 200
BB127	3 300	3 275
BB128	3 325	3 300
BB129	3 350	3 325
BB130	3 375	3 350
BB133	3 454	3 430
BB135	3 505	3 480
BB136	3 528	3 505
BB140	3 629	3 610

Description	Effective length	Datum length
	mm	mm
BB144	3 730	3 710
BB155	4 010	3 990
BB158	4 085	4 065
BB162	4 191	4 165
BB168	4 340	4 320
BB169	4 365	4 345
BB170	4 394	4 370
BB173	4 470	4 445
BB180	4 645	4 625
BB182	4 699	4 675
BB187	4 826	4 800
BB190	4 900	4 880
BB195	5 025	5 005
BB210	5 410	5 385
BB225	5 791	5 765
BB226	5 814	5 755
BB228	5 864	5 805
BB230	5 915	5 855
BB240	6 130	6 110
BB255	6 553	6 530
BB270	6 895	6 870
BB277	7 070	7 050
BB285	7 315	7 290
BB300	7 655	7 635



# HI-POWER DUBL-V

WRAPPED, CLASSICAL SECTION AND DOUBLE SIDED V-BELT



DRIVEN BY POSSIBILITY™

## CC

Description	Effective length	Datum length
	mm	mm
CC75	2 010	1 980
CC81	2 165	2 130
CC85	2 265	2 230
CC90	2 395	2 360
CC96	2 545	2 510
CC105	2 775	2 740
CC112	2 950	2 920
CC120	3 155	3 120
CC128	3 360	3 325
CC136	3 560	3 525
CC140	3 658	2 630
CC144	3 765	3 730
CC158	4 120	4 085
CC162	4 220	4 190
CC173	4 500	4 465
CC180	4 680	4 645
CC195	5 060	5 025
CC210	5 440	5 405
CC240	6 150	6 120
CC250	6 382	6 350
CC255	6 528	6 550
CC270	6 915	6 880
CC300	7 675	7 640
CC330	8 440	8 405
CC360	9 200	9 165
CC390	9 960	9 930
CC420	10 725	10 690

## DD

Description	Effective length	Datum length
	mm	mm
DD270	6 925	6 875
DD300	7 690	7 635
DD360	9 215	9 160

# MULTI-SPEED™

WIDE RAW EDGE V-BELT FOR SPEED VARIATORS



DRIVEN BY POSSIBILITY™

Gates Multi-Speed™ belt provides top performance on variable speed ratio drives. It easily adjusts itself to the pulley grooves, providing a wide range of speeds and speed ratios. In addition to the standard Multi-Speed™ belt line, special sizes in terms of top width, thickness and angle are available on request.

## CONSTRUCTION

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

## BENEFITS

- Maximum range of speed ratio changes.
- High load-carrying capacity.
- Smooth drive operation.
- Exceptionally long belt life.
- Temperature range: -30°C to +60°C.

Sections and nominal dimensions

	Reference	Top width (mm)	Thickness (mm)	Angle (°)	Length range (inside length - mm)
Gates Special Sizes	13	13	6	26	600 – 900
	23	23	8	26	525 – 1 500
	28	28	9	26	650 – 1 600
	37	37	10	28	800 – 2 240
	47	47	13	28	1 000 – 2 240
	Reference	Top width (mm)	Thickness (mm)	Angle (°)	Length range (datum length - mm)
ISO R1604 sizes	W16	17	6	24	630 – 1 000
	W20	21	7	26	630 – 1 250
	W25	26	8	26	710 – 1 600
	W31.5	33	10	26	900 – 2 000
	W40	42	13	28	1 120 – 2 500
	W50	52	16	28	1 400 – 3 150
	W63	65	20	30	1 800 – 3 150

### Ordering code

W16-630  
W16 - Section  
630 - Datum length (mm)  
23X8-600  
23 - Section  
8 - Thickness (mm)  
600 - Datum length (mm)

NOTE: For correct design and tensioning of the belt please consult with our application engineering team.

### Identification

White marking indicating the belt type and white marking indicating the belt dimensions.



# MULTI-SPEED™

WIDE RAW EDGE V-BELT FOR SPEED VARIATORS



Gates Special Sizes				
13	23	28	37	47
Inside length (mm)				
600	525	650	800	1 000
700	600	700	850	1 060
800	650	750	900	1 120
900	700	800	950	1 180
	750	850	1 000	1 250
	800	900	1 060	1 320
	850	950	1 120	1 400
	900	1 000	1 180	1 500
	950	1 060	1 250	1 600
	1 000	1 120	1 320	1 700
	1 060	1 180	1 400	1 800
	1 120	1 250	1 500	2 000
	1 180	1 320	1 600	2 240
	1 250	1 400	1 700	
	1 320	1 500	1 800	
	1 400	1 600	2 000	
	1 500		2 240	

ISO R 1604 sizes						
W16	W20	W25	W31.5	W40	W50	W63
Datum length (mm)						
630	630	710	900	1 120	1 400	1 800
710	710	800	1 000	1 250	1 600	2 000
800	800	900	1 120	1 400	1 800	2 240
900	900	1 000	1 250	1 600	2 000	2 500
1 000	1 000	1 120	1 400	1 700	2 240	2 800
	1 120	1 250	1 600	1 800	2 500	
	1 250	1 400	1 800	2 000	2 800	
		1 600	2 000	2 240	3 150	
				2 500		



# POWERATED™

GREEN TEXTILE WRAPPED V-BELT WITH ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

**PoweRated™ V-belt is ideally suited for use in heavy-duty drives and clutching applications. It meets the requirements of high power, clutching ability, heavy shock load absorption and back idler driven lawn and garden equipment.**

## CONSTRUCTION

- Aramid cords combine limited elongation with extraordinary strength and durability.
- Low cord positioning on the thin profile makes the belt extremely flexible.
- The distinctive green-coloured low-friction wrapping provides for smooth clutching operation.
- Fabric reinforcement on the bottom ensures high tear resistance if back idler is used.

## BENEFITS

- Smooth clutching and disengaging.
- Length stability.
- Special shock resistance.
- Special bending and tear resistance.
- Temperature range: -30°C to +60°C.



Sections and nominal dimensions			
Section	Width (inches)	Height (inches)	Lengths range (outside length - mm)
3L	3/8	7/32	406 – 1 549
4L	1/2	5/16	432 – 2 972
5L	21/32	3/8	635 – 2 515

**Ordering code**

3L16  
 3L - Section  
 16 - Outside length (inches)

NOTE: For correct design and tensioning of the belt please consult with our application engineering team.

**Identification**  
 Permanent black marking indicating the belt type and black marking indicating the belt dimensions.



# POWERATED™

GREEN TEXTILE WRAPPED V-BELT WITH ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

## 3L

Description	Outside length	
	Inches	mm
3L28 6728 POWERATED	28	711
3L29 6729 POWERATED	29	737
3L30 6730 POWERATED	30	762
3L31 6731 POWERATED	31	787
3L32 6732 POWERATED	32	813
3L33 6733 POWERATED	33	838
3L34 6734 POWERATED	34	864
3L35 6735 POWERATED	35	889
3L36 6736 POWERATED	36	914
3L37 6737 POWERATED	37	940
3L38 6738 POWERATED	38	965
3L39 6739 POWERATED	39	991
3L40 6740 POWERATED	40	1 016
3L41 6741 POWERATED	41	1 041
3L42 6742 POWERATED	42	1 067
3L43 6743 POWERATED	43	1 092
3L44 6744 POWERATED	44	1 118
3L45 6745 POWERATED	45	1 143
3L46 6746 POWERATED	46	1 168
3L47 6747 POWERATED	47	1 194
3L48 6748 POWERATED	48	1 219
3L49 6749 POWERATED	49	1 245
3L50 6750 POWERATED	50	1 270
3L51 6751 POWERATED	51	1 295
3L52 6752 POWERATED	52	1 321
3L53 6753 POWERATED	53	1 346
3L54 6754 POWERATED	54	1 372
3L55 6755 POWERATED	55	1 397
3L56 6756 POWERATED	56	1 422
3L57 6757 POWERATED	57	1 448
3L58 6758 POWERATED	58	1 473
3L59 6759 POWERATED	59	1 499
3L60 6760 POWERATED	60	1 524
3L61 6761 POWERATED	61	1 549
3L62 6762 POWERATED	62	1 575
3L63 6763 POWERATED	63	1 600
3L64 6764 POWERATED	64	1 626
3L65 6765 POWERATED	65	1 651



# POWERATED™

GREEN TEXTILE WRAPPED V-BELT WITH ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

## 4L

Description	Outside length	
	Inches	mm
4L17 6817 POWERATED	17	432
4L18 6818 POWERATED	18	457
4L19 6819 POWERATED	19	483
4L20 6820 POWERATED	20	508
4L21 6821 POWERATED	21	533
4L22 6822 POWERATED	22	559
4L23 6823 POWERATED	23	584
4L24 6824 POWERATED	24	610
4L25 6825 POWERATED	25	635
4L26 6826 POWERATED	26	660
4L27 6827 POWERATED	27	686
4L28 6828 POWERATED	28	711
4L29 6829 POWERATED	29	737
4L30 6830 POWERATED	30	762
4L31 6831 POWERATED	31	787
4L32 6832 POWERATED	32	813
4L33 6833 POWERATED	33	838
4L34 6834 POWERATED	34	864
4L35 6835 POWERATED	35	889
4L36 6836 POWERATED	36	914
4L37 6837 POWERATED	37	940
4L38 6838 POWERATED	38	965
4L39 6839 POWERATED	39	991
4L40 6840 POWERATED	40	1 016
4L41 6841 POWERATED	41	1 041
4L42 6842 POWERATED	42	1 067
4L43 6843 POWERATED	43	1 092
4L44 6844 POWERATED	44	1 118
4L45 6845 POWERATED	45	1 143
4L46 6846 POWERATED	46	1 168
4L47 6847 POWERATED	47	1 194
4L48 6848 POWERATED	48	1 219
4L49 6849 POWERATED	49	1 245
4L50 6850 POWERATED	50	1 270
4L51 6851 POWERATED	51	1 295
4L52 6852 POWERATED	52	1 321
4L53 6853 POWERATED	53	1 346
4L54 6854 POWERATED	54	1 372
4L55 6855 POWERATED	55	1 397
4L56 6856 POWERATED	56	1 422
4L57 6857 POWERATED	57	1 448
4L58 6858 POWERATED	58	1 473
4L59 6859 POWERATED	59	1 499
4L60 6860 POWERATED	60	1 524
4L61 6861 POWERATED	61	1 549
4L62 6862 POWERATED	62	1 575
4L63 6863 POWERATED	63	1 600
4L64 6864 POWERATED	64	1 626
4L65 6865 POWERATED	65	1 651
4L66 6866 POWERATED	66	1 676
4L67 6867 POWERATED	67	1 702

Description	Outside length	
	Inches	mm
4L68 6868 POWERATED	68	1 727
4L69 6869 POWERATED	69	1 753
4L70 6870 POWERATED	70	1 778
4L71 6871 POWERATED	71	1 803
4L72 6872 POWERATED	72	1 829
4L73 6873 POWERATED	73	1 854
4L74 6874 POWERATED	74	1 880
4L75 6875 POWERATED	75	1 905
4L76 6876 POWERATED	76	1 930
4L77 6877 POWERATED	77	1 956
4L78 6878 POWERATED	78	1 981
4L79 6879 POWERATED	79	2 007
4L80 6880 POWERATED	80	2 032
4L81 6881 POWERATED	81	2 057
4L82 6882 POWERATED	82	2 083
4L83 6883 POWERATED	83	2 108
4L84 6884 POWERATED	84	2 134
4L85 6885 POWERATED	85	2 159
4L86 6886 POWERATED	86	2 184
4L87 6887 POWERATED	87	2 210
4L88 6888 POWERATED	88	2 235
4L89 6889 POWERATED	89	2 261
4L90 6890 POWERATED	90	2 286
4L91 6891 POWERATED	91	2 311
4L92 6892 POWERATED	92	2 337
4L93 6893 POWERATED	93	2 362
4L94 6894 POWERATED	94	2 388
4L95 6895 POWERATED	95	2 413
4L96 6896 POWERATED	96	2 438
4L97 6897 POWERATED	97	2 464
4L98 6898 POWERATED	98	2 489
4L99 6899 POWERATED	99	2 515
4L100 68100 POWERATED	100	2 540
4L105 68105 POWERATED	105	2 667
4L107 68107 POWERATED	107	2 718
4L117 68117 POWERATED	117	2 972





# POWERATED™

GREEN TEXTILE WRAPPED V-BELT WITH ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

## 5L

Description	Outside length	
	Inches	mm
5L23 6923 POWERATED	23	584
5L24 6924 POWERATED	24	610
5L25 6925 POWERATED	25	635
5L26 6926 POWERATED	26	660
5L27 6927 POWERATED	27	686
5L28 6928 POWERATED	28	711
5L29 6929 POWERATED	29	737
5L30 6930 POWERATED	30	762
5L31 6931 POWERATED	31	787
5L32 6932 POWERATED	32	813
5L33 6933 POWERATED	33	838
5L34 6934 POWERATED	34	864
5L35 6935 POWERATED	35	889
5L36 6936 POWERATED	36	914
5L37 6937 POWERATED	37	940
5L38 6938 POWERATED	38	965
5L39 6939 POWERATED	39	991
5L40 6940 POWERATED	40	1 016
5L41 6941 POWERATED	41	1 041
5L42 6942 POWERATED	42	1 067
5L43 6943 POWERATED	43	1 092
5L44 6944 POWERATED	44	1 118
5L45 6945 POWERATED	45	1 143
5L46 6946 POWERATED	46	1 168
5L47 6947 POWERATED	47	1 194
5L48 6948 POWERATED	48	1 219
5L49 6949 POWERATED	49	1 245
5L50 6950 POWERATED	50	1 270
5L51 6951 POWERATED	51	1 295
5L52 6952 POWERATED	52	1 321
5L53 6953 POWERATED	53	1 346
5L54 6954 POWERATED	54	1 372
5L55 6955 POWERATED	55	1 397
5L56 6956 POWERATED	56	1 422
5L57 6957 POWERATED	57	1 448
5L58 6958 POWERATED	58	1 473
5L59 6959 POWERATED	59	1 499
5L60 6960 POWERATED	60	1 524
5L61 6961 POWERATED	61	1 549
5L62 6962 POWERATED	62	1 575
5L63 6963 POWERATED	63	1 600
5L64 6964 POWERATED	64	1 626
5L65 6965 POWERATED	65	1 651
5L66 6966 POWERATED	66	1 676
5L67 6967 POWERATED	67	1 702
5L68 6968 POWERATED	68	1 727
5L69 6969 POWERATED	69	1 753
5L70 6970 POWERATED	70	1 778
5L71 6971 POWERATED	71	1 803
5L72 6972 POWERATED	72	1 829
5L73 6973 POWERATED	73	1 854

Description	Outside length	
	Inches	mm
5L74 6974 POWERATED	74	1 880
5L75 6975 POWERATED	75	1 905
5L76 6976 POWERATED	76	1 930
5L77 6977 POWERATED	77	1 956
5L78 6978 POWERATED	78	1 981
5L79 6979 POWERATED	79	2 007
5L80 6980 POWERATED	80	2 032
5L81 6981 POWERATED	81	2 057
5L82 6982 POWERATED	82	2 083
5L83 6983 POWERATED	83	2 108
5L84 6984 POWERATED	84	2 134
5L85 6985 POWERATED	85	2 159
5L86 6986 POWERATED	86	2 184
5L87 6987 POWERATED	87	2 210
5L88 6988 POWERATED	88	2 235
5L89 6989 POWERATED	89	2 261
5L90 6990 POWERATED	90	2 286
5L91 6991 POWERATED	91	2 311
5L92 6992 POWERATED	92	2 337
5L93 6993 POWERATED	93	2 362
5L94 6994 POWERATED	94	2 388
5L95 6995 POWERATED	95	2 413
5L96 6996 POWERATED	96	2 438
5L97 6997 POWERATED	97	2 464
5L98 6998 POWERATED	98	2 489
5L99 6999 POWERATED	99	2 515



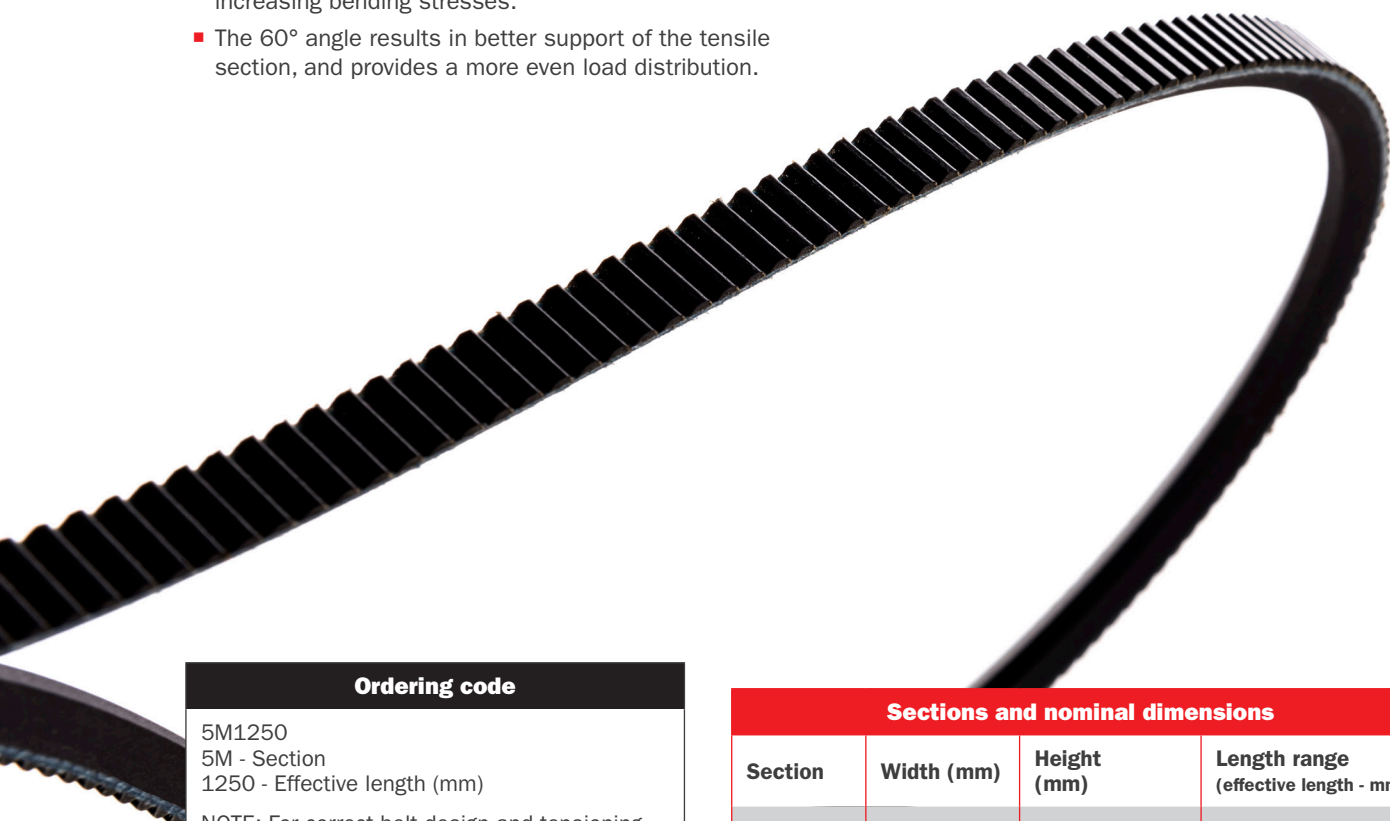
This compact and strong belt with nominal top width from 3mm to 11mm transmits more power and allows high speed ratios. Polyflex™ is suited for extremely small diameter and very compact drives with high rotational speeds. Ideal for machines and machine tools requiring high performance and smooth operation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

## CONSTRUCTION

- High modulus, new formulated polyurethane polymer, superior in quality to conventional belt materials, offers high stress 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 polymer is not layered but cast without overlaps for smooth running and low vibration.
- Ribbed top provides lateral rigidity without increasing bending stresses.
- The 60° angle results in better support of the tensile section, and provides a more even load distribution.

## BENEFITS

- 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.
- Available on demand in matched sets. Contact Customer Service for details.
- Temperature range: -54°C to +85°C.



### Ordering code

5M1250  
5M - Section  
1250 - Effective length (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

White marking indicating the belt type and white marking indicating the belt dimensions.

### Sections and nominal dimensions

Section	Width (mm)	Height (mm)	Length range (effective length - mm)
3M	3	2.28	180 – 750
5M	5	3.30	280 – 1 850
7M	7	5.33	500 – 2 300
11M	11	6.85	710 – 2 300



# POLYFLEX™

POLYURETHANE V-BELT



DRIVEN BY POSSIBILITY™

## 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	1 000
5M1030	1 030
5M1060	1 060
5M1090	1 090
5M1120	1 120
5M1150	1 150
5M1180	1 180

Description	Effective length mm
5M1220	1 220
5M1250	1 250
5M1280	1 280
5M1320	1 320
5M1360	1 360
5M1400	1 400
5M1450	1 450
5M1500	1 500
5M1600	1 600
5M1650	1 650
5M1850	1 850



### 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	1 000
7M1030	1 030
7M1060	1 060
7M1090	1 090
7M1120	1 120
7M1150	1 150
7M1180	1 180
7M1220	1 220
7M1250	1 250
7M1280	1 280
7M1320	1 320
7M1360	1 360
7M1400	1 400
7M1450	1 450
7M1500	1 500
7M1550	1 550
7M1600	1 600
7M1650	1 650
7M1700	1 700
7M1750	1 750
7M1800	1 800
7M1850	1 850
7M1900	1 900
7M1950	1 950
7M2000	2 000
7M2060	2 060
7M2120	2 120
7M2180	2 180
7M2240	2 240
7M2300	2 300

### 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	1 000
11M1030	1 030
11M1060	1 060
11M1090	1 090
11M1120	1 120
11M1150	1 150
11M1180	1 180
11M1220	1 220
11M1250	1 250
11M1280	1 280
11M1320	1 320
11M1360	1 360
11M1400	1 400
11M1450	1 450
11M1500	1 500
11M1550	1 550
11M1600	1 600
11M1650	1 650
11M1700	1 700
11M1750	1 750
11M1800	1 800
11M1850	1 850
11M1900	1 900
11M1950	1 950
11M2000	2 000
11M2060	2 060
11M2120	2 120
11M2180	2 180
11M2240	2 240
11M2300	2 300



# POLYFLEX™ JB

POLYURETHANE JOINED V-BELT



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

## CONSTRUCTION

- The Joined Belt (abbreviated in JB) construction improves stability.
- Ribs relieve bending stress on small pulleys and provide lateral rigidity.
- The 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 polymer with a high friction coefficient.
- The precise casting method eliminates overlaps between layers.
- Excellent adhesion of cords and polyurethane compound leads to high fatigue resistance and long belt life.
- Extra toughness. The polyurethane compound resists stress, wear and ozone.

## BENEFITS

- 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.
- Available on demand in matched sets. Contact Customer Service for details.
- Available on demand in MTQ (MTQ=Machine Tool Quality) execution (Except on 3M-JB). Contact Customer Service for details.
- Temperature range: -54°C to +85°C.

**Sections and nominal dimensions**

Section	Standard number of ribs				Width (mm)	Height (mm)	Rib spacing/ Pitch (mm)	Length range (effective length - mm)
	2	3	4	5				
3M-JB	x	x			3	2.28	3.35	175 – 750
5M-JB	x	x	x	x	5	3.30	5.30	280 – 1 500
7M-JB	x	x	x	x	7	5.33	8.50	490 – 2 293
11M-JB	x	x			11	7.06	13.20	692 – 2 282

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

### Ordering code

5M280/3  
5M - Section  
280 - Effective length (mm)  
3 - Number of ribs (joined belt)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

White marking indicating the belt type and white marking indicating the belt dimensions.

# POLYFLEX™ JB

POLYURETHANE JOINED V-BELT



DRIVEN BY POSSIBILITY™

## 3M-JB

Description	Effective length
	mm
3M175	175
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
3M319	319
3M325	325
3M335	335
3M345	345
3M350	350
3M355	355
3M365	365
3M375	375
3M387	387
3M400	400
3M406	406
3M412	412
3M425	425
3M437	437
3M450	450
3M462	462
3M475	475
3M487	487
3M500	500
3M515	515
3M530	530
3M545	545
3M553	553
3M560	560
3M580	580
3M600	600
3M615	615
3M630	630
3M650	650

Description	Effective length
	mm
3M670	670
3M690	690
3M710	710
3M730	730
3M750	750



# POLYFLEX™ JB

POLYURETHANE JOINED V-BELT



DRIVEN BY POSSIBILITY™

## 5M-JB

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	1 000
5M1030	1 030
5M1060	1 060
5M1090	1 090
5M1120	1 120
5M1150	1 150
5M1180	1 180

Description	Effective length
	mm
5M1220	1 220
5M1250	1 250
5M1280	1 280
5M1320	1 320
5M1360	1 360
5M1400	1 400
5M1450	1 450
5M1500	1 500

# POLYFLEX™ JB

POLYURETHANE JOINED V-BELT



DRIVEN BY POSSIBILITY™

## 7M-JB

Description	Effective length
	mm
7M500	490
7M515	505
7M530	520
7M545	535
7M560	550
7M580	570
7M600	590
7M615	605
7M630	620
7M650	640
7M670	660
7M690	680
7M710	703
7M730	723
7M750	743
7M775	768
7M800	793
7M825	818
7M850	843
7M875	868
7M900	893
7M925	918
7M950	943
7M975	968
7M1000	993
7M1030	1 023
7M1060	1 053
7M1090	1 083
7M1120	1 113
7M1150	1 143
7M1180	1 173
7M1220	1 213
7M1250	1 243
7M1280	1 273
7M1320	1 313
7M1360	1 353
7M1400	1 393
7M1450	1 443
7M1500	1 493
7M1550	1 543
7M1600	1 593
7M1650	1 643
7M1700	1 693
7M1750	1 743
7M1800	1 793
7M1850	1 843
7M1900	1 893
7M1950	1 943
7M2000	1 993
7M2060	2 053
7M2120	2 113
7M2180	2 173
7M2240	2 233
7M2300	2 293

## 11M-JB

Description	Effective length
	mm
11M710	692
11M730	712
11M750	732
11M775	757
11M800	782
11M825	807
11M850	832
11M875	857
11M900	882
11M925	907
11M950	932
11M975	957
11M1000	982
11M1030	1 012
11M1060	1 042
11M1090	1 072
11M1120	1 102
11M1150	1 132
11M1180	1 162
11M1220	1 202
11M1250	1 232
11M1280	1 262
11M1320	1 302
11M1360	1 342
11M1400	1 382
11M1450	1 432
11M1500	1 482
11M1550	1 532
11M1600	1 582
11M1650	1 632
11M1700	1 682
11M1750	1 732
11M1800	1 782
11M1850	1 832
11M1900	1 882
11M1950	1 932
11M2000	1 982
11M2060	2 042
11M2120	2 102
11M2180	2 162
11M2240	2 222
11M2300	2 282





# MICRO-V®

MULTI-RIBBED V-BELT



Gates Micro-V® belts ensure outstanding performance on any industrial ribbed belts 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® products includes sleeves in several widths as well as single belts in PJ, PK, PL and PM sections in order to perfectly match customer requirements. Both sleeves and belts can be manufactured in a great variety of number of ribs.

## CONSTRUCTION

- Longitudinal grooves ensure flexibility, reduce heat build-up and improve rib crack resistance. They also enhance load-carrying capacity on small diameter pulleys.
- Can be installed on grooved driver and flat driven pulleys.
- High modulus, low stretch polyester tensile cords provide superior resistance to stresses and shock loads.
- The elastomer polymer provides oil and heat resistance.
- The belts can be used in standard pulley applications provided that the pulleys are manufactured to the DIN 7867 or ISO 9982 standard for the specific cross-section.
- The specially formulated, fibre reinforced undercord compound improves belt stability.

## BENEFITS

- Extremely smooth operation and reduced heat build-up.
- Very high power capacity per rib.
- Long life due to exceptional load-carrying capacity.
- Improved performance in combination with back idlers.
- More compact drive package.
- High tolerance to debris build-up in the pulley grooves.
- Static conductive (ISO 1813) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX (except for the PK profile).
- Temperature range:  
-30°C to +60°C (PJ, PL, PM).  
-50°C to +120°C (PK) (EPDM polymer).



### Sections and nominal dimensions

Section	Height (mm)	Rib spacing (mm)
PJ	3.5	2.34
PK	4.45	3.56
PL	6.4	4.70
PM	12.7	9.40

### Ordering code

PM2286/28  
PM - Section  
2286 - Effective length (mm)  
28 - number of ribs

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Yellow marking indicating the belt type and white marking indicating the belt dimensions.

# MICRO-V®

MULTI-RIBBED V-BELT



DRIVEN BY POSSIBILITY™

## PJ

Description	Description	Effective length
DIN 7867	RMA	mm
PJ356	140J	356
PJ381	150J	381
PJ406	160J	406
PJ432	170J	432
PJ457	180J	457
PJ483	190J	483
PJ508	200J	508
PJ559	220J	559
PJ584	230J	584
PJ610	240J	610
PJ660	260J	660
PJ711	280J	711
PJ723	285J	723
PJ737	290J	737
PJ762	300J	762
PJ813	320J	813
PJ838	330J	838
PJ864	340J	864
PJ914	360J	914
PJ955	376J	955
PJ965	380J	965
PJ1016	400J	1 016
PJ1041	410J	1 041
PJ1067	420J	1 067
PJ1092	430J	1 092
PJ1105	435J	1 105
PJ1110	437J	1 110
PJ1118	440J	1 118
PJ1123	442J	1 123
PJ1130	445J	1 130
PJ1136	447J	1 136
PJ1150	453J	1 150
PJ1168	460J	1 168
PJ1194	470J	1 194
PJ1200	473J	1 200
PJ1222	480J	1 222
PJ1233	485J	1 233
PJ1244	490J	1 244
PJ1262	497J	1 262
PJ1270	500J	1 270
PJ1280	504J	1 280
PJ1300	512J	1 300
PJ1309	515J	1 309
PJ1321	520J	1 321
PJ1333	525J	1 333

Description	Description	Effective length
DIN 7867	RMA	mm
PJ1355	534J	1 355
PJ1371	540J	1 371
PJ1397	550J	1 397
PJ1428	562J	1 428
PJ1439	567J	1 439
PJ1473	580J	1 473
PJ1549	610J	1 549
PJ1600	630J	1 600
PJ1651	650J	1 651
PJ1663	655J	1 663
PJ1752	690J	1 752
PJ1854	730J	1 854
PJ1895	746J	1 895
PJ1910	752J	1 910
PJ1930	760J	1 930
PJ1956	770J	1 956
PJ1981	780J	1 981
PJ1992	784J	1 992
PJ2083	820J	2 083
PJ2210	870J	2 210
PJ2337	920J	2 337
PJ2489	980J	2 489

Standard number of ribs available																	
# ribs	4	5	6	7	8	9	10	12	14	15	16	18	20	24	28	30	32
PJ	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x
PL	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
PM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		



# MICRO-V®

## MULTI-RIBBED V-BELT



DRIVEN BY POSSIBILITY™

### PK

Description	Effective length	Sleeve width
DIN 7867	mm	ribs
PK630	630	324 (4x81)
PK650	650	324 (4x81)
PK675	675	324 (4x81)
PK698	698	324 (4x81)
PK700	700	324 (4x81)
PK730	730	324 (4x81)
PK755	755	324 (4x81)
PK775	775	324 (4x81)
PK800	800	324 (4x81)
PK812	812	324(4x81)
PK830	830	324 (4x81)
PK845	845	324 (4x81)
PK865	865	324 (4x81)
PK870	870	324 (4x81)
PK875	875	324 (4x81)
PK885	885	324 (4x81)
PK890	890	324 (4x81)
PK920	920	324 (4x81)
PK925	925	324 (4x81)
PK950	950	324 (4x81)
PK954	954	324 (4x81)
PK963	963	324 (4x81)
PK970	970	324 (4x81)
PK1000	1 000	324 (4x81)
PK1015	1 015	324 (4x81)
PK1035	1 035	324 (4x81)
PK1060	1 060	324 (4x81)
PK1080	1 080	324 (4x81)
PK1090	1 090	324 (4x81)
PK1125	1 125	324 (4x81)
PK1145	1 145	324 (4x81)
PK1150	1 150	324 (4x81)
PK1165	1 165	324 (4x81)
PK1190	1 190	324 (4x81)
PK1200	1 200	324 (4x81)
PK1222	1 222	324 (4x81)
PK1230	1 230	324 (4x81)
PK1245	1 245	324 (4x81)
PK1270	1 270	324 (4x81)
PK1300	1 300	324 (4x81)
PK1330	1 330	324 (4x81)
PK1335	1 335	324 (4x81)
PK1345	1 345	324 (4x81)
PK1385	1 385	324 (4x81)
PK1420	1 420	324 (4x81)
PK1460	1 460	324 (4x81)
PK1470	1 470	324 (4x81)
PK1480	1 480	324 (4x81)
PK1490	1 490	324 (4x81)
PK1520	1 520	324 (4x81)
PK1555	1 555	324 (4x81)

Description	Effective length	Sleeve width
DIN 7867	mm	ribs
PK1560	1 560	324 (4x81)
PK1570	1 570	324 (4x81)
PK1610	1 610	324 (4x81)
PK1655	1 655	324 (4x81)
PK1690	1 690	324 (4x81)
PK1700	1 700	324 (4x81)
PK1725	1 725	324 (4x81)
PK1755	1 755	324 (4x81)
PK1800	1 800	324 (4x81)
PK1860	1 860	280 (4x70)
PK1885	1 885	280 (4x70)
PK1890	1 890	280 (4x70)
PK1900	1 900	280 (4x70)
PK1930	1 930	280 (4x70)
PK1980	1 980	280 (4x70)
PK2050	2 050	280 (4x70)
PK2080	2 080	280 (4x70)
PK2120	2 120	280 (4x70)
PK2145	2 145	280 (4x70)
PK2235	2 235	280 (4x70)
PK2280	2 280	280 (4x70)
PK2330	2 330	280 (4x70)
PK2420	2 420	280 (4x70)
PK2490	2 490	280 (4x70)

# MICRO-V®

## MULTI-RIBBED V-BELT



DRIVEN BY POSSIBILITY™

### PL

Description	Description	Effective length
DIN 7867	RMA	mm
PL954	375L	954
PL991	390L	991
PL1075	423L	1 075
PL1270	500L	1 270
PL1333	525L	1 333
PL1371	540L	1 371
PL1397	550L	1 397
PL1422	560L	1 422
PL1562	615L	1 562
PL1613	635L	1 613
PL1664	655L	1 664
PL1715	675L	1 715
PL1765	695L	1 765
PL1803	710L	1 803
PL1842	725L	1 842
PL1943	765L	1 943
PL1981	780L	1 981
PL2019	795L	2 019
PL2070	815L	2 070
PL2096	825L	2 096
PL2134	840L	2 134
PL2197	865L	2 197
PL2235	880L	2 235
PL2324	915L	2 324
PL2362	930L	2 362
PL2476	975L	2 476
PL2515	990L	2 515
PL2705	1065L	2 705
PL2743	1080L	2 743
PL2845	1120L	2 845
PL2895	1140L	2 895
PL2921	1150L	2 921
PL2997	1180L	2 997
PL3086	1215L	3 086
PL3125	1230L	3 125
PL3289	1295L	3 289
PL3327	1310L	3 327
PL3493	1375L	3 493
PL3696	1455L	3 696

### PM

Description	Description	Effective length
DIN 7867	RMA	mm
PM2286	900M	2 286
PM2388	940M	2 388
PM2515	990M	2 515
PM2693	1060M	2 693
PM2832	1115M	2 832
PM2921	1150M	2 921
PM3010	1185M	3 010
PM3124	1230M	3 124
PM3327	1310M	3 327
PM3531	1390M	3 531
PM3734	1470M	3 734
PM4089	1610M	4 089
PM4191	1650M	4 191
PM4470	1760M	4 470
PM4648	1830M	4 648
PM5029	1980M	5 029
PM5410	2130M	5 410
PM6121	2410M	6 121
PM6502	2560M	6 502
PM6883	2710M	6 883
PM7646	3010M	7 646
PM8408	3310M	8 408
PM9169	3610M	9 169
PM9931	3910M	9 931

#### Standard number of ribs available

# ribs	4	5	6	7	8	9	10	12	14	15	16	18	20	24	28	30	32
PJ	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x
PL	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
PM	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		



# **2. SYNCHRONOUS BELTS**

# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™



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

## CONSTRUCTION

- Trapezoidal shaped teeth.
- Extremely precise and accurately spaced elastomeric teeth ensure correct engagement with the pulley grooves.
- Fibreglass tensile cords.
- Nylon fabric cover protects the teeth surfaces.
- Standard widths for belt pitch in mm and belt width code:
  - MXL: 3.2mm (code 012), 4.8mm (code 019), 6.4mm (code 025)
  - XL: 6.4mm (code 025), 7.9mm (code 031), 9.5mm (code 037)
  - L: 12.7mm (code 050), 19.1mm (code 075), 25.4mm (code 100)
  - H: 19.1mm (code 075), 25.4mm (code 100), 38.1mm (code 150), 50.8mm (code 200), 76.2mm (code 300)
  - XH/XXH: 50.8mm (code 200), 76.2mm (code 300), 101.6mm (code 400), 127mm (code 500)
  - Other widths available on request.
- Belts conform to ISO19347:2015 standard.

## BENEFITS

- Power transmission of up to 150 kW and speeds of up to 10,000 rpm.
- Peripheral speed up to 80m/s.
- Positive slip-proof engagement.
- Constant angular velocity.
- Efficiency up to 99%.
- Low bearing load thanks to the absence of high tension.
- This maintenance-free belt allows for continuous operation.
- Wide range of load-carrying capacities and speed ratios.
- Compact design.
- Cost-effective transmission.
- Temperature range: -30°C to +100°C.



Sections and nominal dimensions					
Section	Pitch (inches)	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
MXL	2/25 (0.080")	2.032	0.51	1.14	73 – 592
XL	1/5 (0.200")	5.08	1.27	2.3	116 – 1 956
L	3/8 (0.375")	9.525	1.91	3.5	314 – 1 676
H	1/2 (0.500")	12.7	2.29	4.0	609 – 4 318
XH	7/8 (0.875")	22.225	6.36	11.4	1 289 – 4 445
XXH	1.1/4 (1.250")	31.75	9.53	15.2	1 778 – 4 572

**Ordering code**

507-XH-200  
507 - Datum length in 1/10 inch  
XH - Pitch 7/8" (22.225mm)  
200 - Belt width 2" (50.8mm)

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

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™, available on www.Gates.com.

**Identification**  
Durable white marking indicating the belt type and belt dimensions.



# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## MXL

Description	Datum length	No. of teeth
	mm	
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	107.70	53
432-MXL	109.73	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	128.02	63
520-MXL	132.08	65
536-MXL	136.14	67
544-MXL	138.18	68
552-MXL	140.21	69
560-MXL	142.24	70
568-MXL	144.27	71
576-MXL	146.30	72
584-MXL	148.34	73
592-MXL	150.37	74
600-MXL	152.40	75
608-MXL	154.43	76
616-MXL	156.46	77
632-MXL	160.53	79
640-MXL	162.56	80
648-MXL	164.59	81
656-MXL	166.62	82
664-MXL	168.66	83
672-MXL	170.69	84
680-MXL	172.72	85
696-MXL	176.78	87
704-MXL	178.82	88
720-MXL	182.88	90
736-MXL	186.94	92
752-MXL	191.01	94
760-MXL	193.04	95
776-MXL	197.10	97
800-MXL	203.20	100
808-MXL	205.23	101
824-MXL	209.30	103
840-MXL	213.36	105
848-MXL	215.39	106
856-MXL	217.42	107
872-MXL	221.49	109
880-MXL	223.52	110
912-MXL	231.65	114
944-MXL	239.78	118
960-MXL	243.84	120
976-MXL	247.90	122
984-MXL	249.94	123

Standard widths*	
mm	code
3.2	012
4.8	019
6.4	025

\* Other widths available on request.



### MXL (CONTINUED)

Description	Datum length	No. of teeth
	mm	
1000-MXL	254.00	125
1008-MXL	256.03	126
1016-MXL	258.06	127
1032-MXL	262.13	129
1040-MXL	264.16	130
1056-MXL	268.22	132
1072-MXL	272.29	134
1112-MXL	282.45	139
1120-MXL	284.48	140
1144-MXL	290.58	143
1160-MXL	294.64	145
1200-MXL	304.80	150
1240-MXL	314.96	155
1264-MXL	321.06	158
1280-MXL	325.12	160
1320-MXL	335.28	165
1400-MXL	355.60	175
1472-MXL	373.89	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	503.94	248
1992-MXL	505.97	249
2048-MXL	520.19	256
2136-MXL	542.54	267
2240-MXL	568.96	280
2360-MXL	599.44	295
2384-MXL	605.54	298
2400-MXL	609.60	300
2520-MXL	640.08	315
2544-MXL	646.18	318
2776-MXL	705.10	347
2880-MXL	731.52	360
2976-MXL	755.90	372
3120-MXL	792.48	390
3200-MXL	812.80	400
3264-MXL	829.06	408
3296-MXL	837.18	412
3360-MXL	853.44	420
3392-MXL	861.57	424
3472-MXL	881.89	434
3800-MXL	965.20	475
3904-MXL	991.62	488
3984-MXL	1 011.94	498
4000-MXL	1 016.00	500
4368-MXL	1 109.47	546
4736-MXL	1 202.94	592

Standard widths*	
mm	code
3.2	012
4.8	019
6.4	025

\* Other widths available on request.





# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## XL

Description	Datum length	No. of teeth
mm		
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
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

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

\* Other widths available on request.



### XL (CONTINUED)

Description	Datum length	No. of teeth
mm		
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	1 026.16	202
412-XL	1 046.48	206
424-XL	1 076.96	212

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

\* Other widths available on request.



# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## XL (CONTINUED)

Description	Datum length	No. of teeth
mm		
432-XL	1 097.28	216
434-XL	1 102.36	217
438-XL	1 112.52	219
450-XL	1 143.00	225
460-XL	1 168.40	230
490-XL	1 244.60	245
506-XL	1 285.24	253
540-XL	1 371.60	270
554-XL	1 407.16	277
564-XL	1 432.56	282
580-XL	1 473.20	290
592-XL	1 503.68	296
672-XL	1 706.88	336
736-XL	1 869.44	368
770-XL	1 955.80	385

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

\* Other widths available on request.

# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

L

Description	Datum length	No. of teeth
mm		
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	1 028.70	108
420-L	1 066.80	112
450-L	1 143.00	120
461-L	1 171.58	123
480-L	1 219.20	128
510-L	1 295.40	136
540-L	1 371.60	144
600-L	1 524.00	160
630-L	1 600.20	168
660-L	1 676.40	176

Standard widths*	
mm	code
12.7	050
19.1	075
25.4	100

\* Other widths available on request.



# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## H

Description	Datum length	
	mm	
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	1 066.80	84
440-H	1 117.60	88
450-H	1 143.00	90
480-H	1 219.20	96
485-H	1 231.90	97
510-H	1 295.40	102
520-H	1 320.80	104
540-H	1 371.60	108
570-H	1 447.80	114
600-H	1 524.00	120
615-H	1 562.10	123
630-H	1 600.20	126
660-H	1 676.40	132
700-H	1 778.00	140
750-H	1 905.00	150
800-H	2 032.00	160
850-H	2 159.00	170
885-H	2 247.90	177
900-H	2 286.00	180
905-H	2 298.70	181
1000-H	2 540.00	200
1100-H	2 794.00	220
1130-H	2 870.20	226
1250-H	3 175.00	250
1325-H	3 365.50	265
1400-H	3 556.00	280
1460-H	3 708.40	292
1700-H	4 318.00	340

Standard widths*	
mm	code
19.1	075
25.4	100
38.1	150
50.8	200
76.2	300

\* Other widths available on request.

# POWERGRIP™

RUBBER SYNCHRONOUS BELT WITH CLASSICAL TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## XH

Description	Datum length	No. of teeth	Stock	New size
mm				
507-XH	1 289.05	58	●	
560-XH	1 422.40	64	●	
630-XH	1 600.20	72	●	
700-XH	1 778.00	80	●	
770-XH	1 955.80	88	●	
787-XH	2 000.25	90		
831-XH	2 111.38	95		
840-XH	2 133.60	96	●	
980-XH	2 489.20	112	●	
1120-XH	2 844.80	128	●	
1260-XH	3 200.40	144	●	
1400-XH	3 556.00	160	●	
1540-XH	3 911.60	176	●	
1680-XH	4 267.20	192		
1750-XH	4 445.00	200	●	

Standard widths*	
mm	code
50.8	200
76.2	300
101.6	400
127.0	500

\* Other widths available on request.

## XXH

Description	Datum length	No. of teeth	Stock	New size
mm				
700-XXH	1 778.00	56		
800-XXH	2 032.00	64		
900-XXH	2 286.00	72		
1000-XXH	2 540.00	80		
1200-XXH	3 048.00	96		
1400-XXH	3 556.00	112		
1600-XXH	4 064.00	128		
1800-XXH	4 572.00	144		

Standard widths*	
mm	code
50.8	200
76.2	300
101.6	400
127.0	500

\* Other widths available on request.



# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



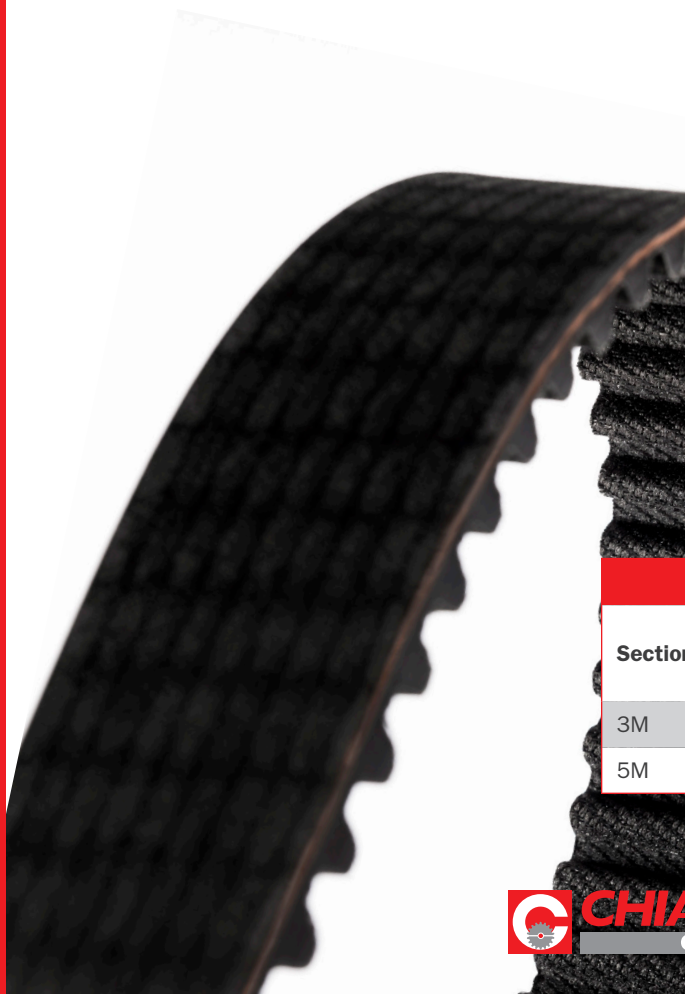
The HTD™ curvilinear teeth shape ensures an optimised load distribution and thus a high power transmission in low speed and high torque applications. PowerGrip™ HTD™ 3M and 5M belts are suitable for domestic appliances, office machines, electric tools and for applications in the processing and chemical industry.

## CONSTRUCTION

- Special curvilinear teeth design improves stress distribution and allows higher overall loading.
- The extremely precise and accurately spaced elastomeric teeth ensure smooth engagement with the pulley grooves.
- Durable elastomeric coating protects the belt against environmental pollution as well as frictional wear if power is transmitted from the top of the belt.
- Tough nylon coating protects the tooth surface.
- Fibreglass tensile cords.
- Belts conform to ISO 13050:2014 standard.
- Standard widths of 6, 9, 15mm (3M); 9, 15, 25mm (5M). Other widths available on request.

## BENEFITS

- 3M and 5M PowerGrip™ HTD™ are designed for speeds up to 20,000 rpm. and capacities up to 10 kW.
- The optimized teeth shape allows high loads to be transmitted, even in small pitch versions.
- Peripheral speed up to 80m/s.
- Efficiency up to 99%.
- Compact design.
- 25% improved teeth jump resistance compared to PowerGrip™.
- Long service life and maintenance-free.
- Temperature range: -30°C to +100°C.
- Perfect fit on HTD™ profile pulleys.



### Ordering code

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

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
3M	3.0	1.2	2.4	105 – 1 926
5M	5.0	2.1	3.8	120 – 2 350

# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 3M

Description	Datum length	No. of teeth
mm		
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

Standard widths*
mm
6
9
15

\* Other widths available on request.





# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 3M (CONTINUED)

Description	Datum length	No. of teeth
mm		
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

Standard widths*
mm
6
9
15

\* Other widths available on request.

# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 3M (CONTINUED)

Description	Datum length	No. of teeth
mm		
981-3M	981	327
1002-3M	1 002	334
1071-3M	1 071	357
1080-3M	1 080	360
1176-3M	1 176	392
1245-3M	1 245	415
1263-3M	1 263	421
1500-3M	1 500	500
1530-3M	1 530	510
1863-3M	1 863	621
1926-3M	1 926	642

Standard widths*
mm
6
9
15

\* Other widths available on request.



# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 5M

Description	Datum length	No. of teeth
mm		
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

Standard widths*
mm
9
15
25

\* Other widths available on request.

# POWERGRIP™ HTD™ 3M & 5M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 5M (CONTINUED)

Description	Datum length	No. of teeth
mm		
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	1 000	200
1025-5M	1 025	205
1035-5M	1 035	207
1050-5M	1 050	210
1100-5M	1 100	220
1125-5M	1 125	225
1135-5M	1 135	227
1175-5M	1 175	235
1200-5M	1 200	240
1225-5M	1 225	245
1270-5M	1 270	254
1350-5M	1 350	270
1380-5M	1 380	276
1420-5M	1 420	284
1595-5M	1 595	319
1690-5M	1 690	338
1790-5M	1 790	358
1870-5M	1 870	374
2100-5M	2 100	420
2350-5M	2 350	470

Standard widths*
mm
9
15
25

\* Other widths available on request.



# POWERGRIP™ HTD™ 8M, 14M & 20M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

The curvilinear teeth geometry of the PowerGrip™ HTD™ belt eliminates stress concentration at teeth roots and allows for a higher load-carrying capacity and longer life. PowerGrip™ HTD™ 8M, 14M and 20M belts are used in high performance drives such as machine tools or machines for paper and fabric processing where durability and low maintenance represent a huge advantage.

## CONSTRUCTION

- Special curvilinear teeth design improves stress distribution and allows higher overall loading.
- Precise and appropriately spaced elastomeric teeth ensure a perfect fit in the pulley grooves.
- Tough nylon coating protects the teeth surface.
- Fibreglass tensile member provides the required strength combined with excellent durability of the bending properties and high resistance to elongation.
- Durable elastomeric coating protects the belt against environmental pollution as well as frictional wear if power is transmitted from the top of the belt.
- Belts conform to ISO 13050:2014 standard.
- Standard widths of 20, 30, 50, 85mm (8M); 40, 55, 85, 115, 170mm (14M); 115, 170, 230, 290, 340mm (20M). Other widths available on request.

## BENEFITS

- Load capacities up to 1,000 kW.
- No slippage. The PowerGrip™ HTD™ belt teeth fit perfectly into the pulley grooves, reducing speed variations.
- Wide speed range.
- Cost-effective transmission. No lubrication needed, no need for adjustment due to stretch and wear.
- High mechanical efficiency. The belt construction minimizes 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 2014/34/EU- ATEX.
- Temperature range: -30°C to +100°C.
- Perfect operation on HTD™ profile pulleys.

### Ordering code

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

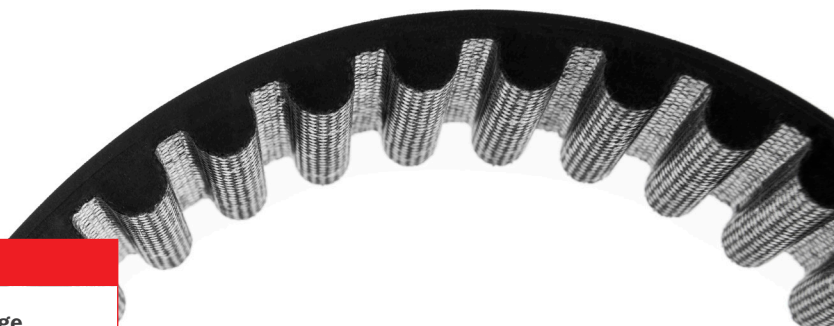
NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8M	8.0	3.4	5.6	264 – 2 800
14M	14.0	6.1	10.0	784 – 4 578
20M	20.0	8.4	13.2	2 000 – 6 600



# POWERGRIP™ HTD™ 8M, 14M & 20M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 8M

Description	Datum length	No. of teeth
mm		
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	1 000	125
1040-8M	1 040	130
1064-8M	1 064	133
1080-8M	1 080	135
1120-8M	1 120	140
1128-8M	1 128	141
1160-8M	1 160	145
1176-8M	1 176	147
1200-8M	1 200	150
1216-8M	1 216	152
1224-8M	1 224	153
1256-8M	1 256	157
1264-8M	1 264	158
1280-8M	1 280	160
1304-8M	1 304	163
1360-8M	1 360	170
1424-8M	1 424	178
1432-8M	1 432	179
1440-8M	1 440	180
1512-8M	1 512	189
1520-8M	1 520	190
1552-8M	1 552	194
1584-8M	1 584	198
1600-8M	1 600	200
1696-8M	1 696	212

Standard widths*
mm
20
30
50
85

\* Other widths available on request.



# POWERGRIP™ HTD™ 8M, 14M & 20M

RUBBER SYNCHRONOUS BELT WITH HTD™ TEETH PROFILE



DRIVEN BY POSSIBILITY™

## 8M (CONTINUED)

Description	Datum length	No. of teeth
mm		
1728-8M	1 728	216
1760-8M	1 760	220
1800-8M	1 800	225
1880-8M	1 880	235
1896-8M	1 896	237
1904-8M	1 904	238
2000-8M	2 000	250
2080-8M	2 080	260
2200-8M	2 200	275
2240-8M	2 240	280
2272-8M	2 272	284
2400-8M	2 400	300
2504-8M	2 504	313
2600-8M	2 600	325
2800-8M	2 800	350

Standard widths*
mm
20
30
50
85

\* Other widths available on request.

## 14M

Description	Datum length	No. of teeth
mm		
784-14M	784	56
826-14M	826	59
924-14M	924	66
966-14M	966	69
1092-14M	1 092	78
1190-14M	1 190	85
1400-14M	1 400	100
1610-14M	1 610	115
1778-14M	1 778	127
1890-14M	1 890	135
2100-14M	2 100	150
2310-14M	2 310	165
2450-14M	2 450	175
2590-14M	2 590	185
2800-14M	2 800	200
3150-14M	3 150	225
3500-14M	3 500	250
3850-14M	3 850	275
4004-14M	4 004	286
4326-14M	4 326	309
4578-14M	4 578	327

Standard widths*
mm
40
55
85
115
170

\* Other widths available on request.

## 20M

Description	Datum length	No. of teeth
mm		
2000-20M	2 000	100
2500-20M	2 500	125
3400-20M	3 400	170
3800-20M	3 800	190
4200-20M	4 200	210
4600-20M	4 600	230
5000-20M	5 000	250
5200-20M	5 200	260
5400-20M	5 400	270
5600-20M	5 600	280
5800-20M	5 800	290
6200-20M	6 200	310
6400-20M	6 400	320
6600-20M	6 600	330

Standard widths*
mm
115
170
230
290
340

\* Other widths available on request.

# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

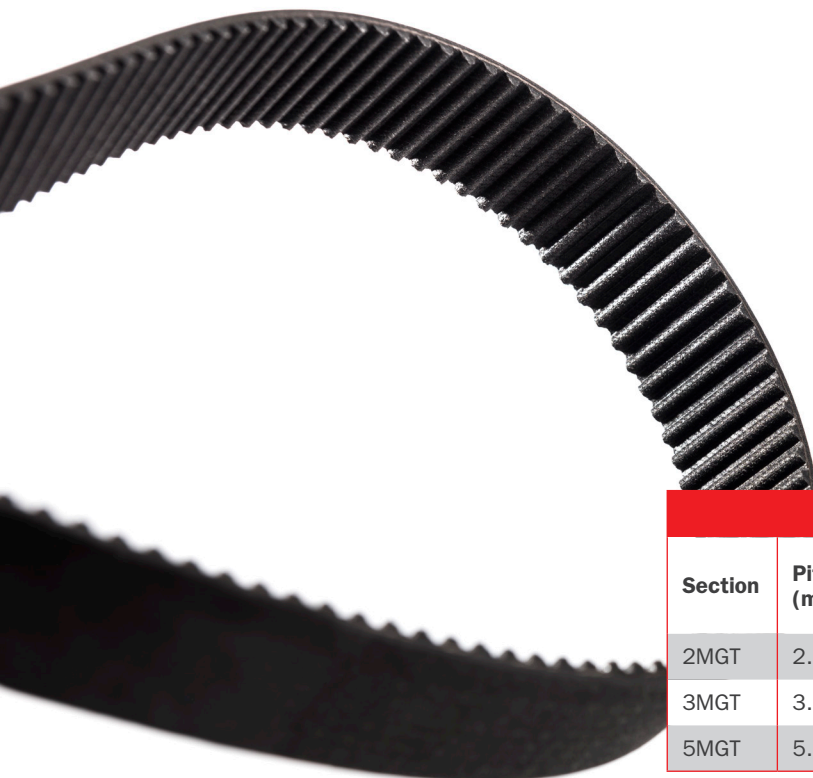
This technically advanced belt covers a very wide range of industrial applications. The PowerGrip™ GT3 transmits up to 50% more power than the previous generations of PowerGrip™ belts. The whole range of belts is suitable for both new drive designs and replacements on existing drives without any adaptation of the system. The 2MGT, 3MGT and 5MGT pitches are ideal for compact drives on hand tools, office machines, domestic appliances, high precision servomotor drives and multi-axis applications.

## CONSTRUCTION

- Technically advanced polymer with fibre glass tensile cords.
- Elastomeric coating protects the cords from environmental pollution and frictional wear.
- The helically wound fibreglass tensile member offers exceptional strength, bending capacity and elongation resistance.
- Low friction nylon cover protects the teeth surface against wear.
- The teeth profile and pitch are made to an even more accurate precision.
- On request, the 5MGT pitch is available in PowerPainT™ version, to eliminate paint contamination risk (see pag. 40).
- Standard widths of 3, 6, 9mm (2MGT); 6, 9, 15mm (3MGT); and 9, 15, 25mm (5MGT). Other widths available on request.

## BENEFITS

- Substantial increase in power delivery.
- More compact and lighter transmissions.
- High positioning accuracy.
- Improved tooth jump resistance.
- Reduced noise levels.
- Cost-effective, long-lasting and virtually maintenance-free.
- Temperature range: -30°C to +100°C.
- Compatible and applicable on GT type pulleys.



### Ordering code

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

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
2MGT	2.0	0.71	1.52	74 – 1 830
3MGT	3.0	1.12	2.41	105 – 1 692
5MGT	5.0	1.92	3.81	200 – 2 440





# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 2MGT

Description	Datum length	No. of teeth
	mm	
74-2MGT	74	37
76-2MGT	76	38
80-2MGT	80	40
90-2MGT	90	45
100-2MGT	100	50
112-2MGT	112	56
130-2MGT	130	65
132-2MGT	132	66
134-2MGT	134	67
140-2MGT	140	70
142-2MGT	142	71
152-2MGT	152	76
158-2MGT	158	79
164-2MGT	164	82
168-2MGT	168	84
172-2MGT	172	86
178-2MGT	178	89
180-2MGT	180	90
184-2MGT	184	92
186-2MGT	186	93
192-2MGT	192	96
194-2MGT	194	97
202-2MGT	202	101
208-2MGT	208	104
210-2MGT	210	105
212-2MGT	212	106
216-2MGT	216	108
220-2MGT	220	110
224-2MGT	224	112
232-2MGT	232	116
240-2MGT	240	120
242-2MGT	242	121
250-2MGT	250	125
252-2MGT	252	126
264-2MGT	264	132
274-2MGT	274	137
280-2MGT	280	140
284-2MGT	284	142
286-2MGT	286	143
288-2MGT	288	144
304-2MGT	304	152
310-2MGT	310	155
318-2MGT	318	159
320-2MGT	320	160
322-2MGT	322	161
330-2MGT	330	165
332-2MGT	332	166
336-2MGT	336	168
342-2MGT	342	171
356-2MGT	356	178
364-2MGT	364	182

Standard widths*
mm
3
6
9

\* Other widths available on request.

# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 2MGT (CONTINUED)

Description	Datum length	No. of teeth
	mm	
370-2MGT	370	185
380-2MGT	380	190
386-2MGT	386	193
392-2MGT	392	196
400-2MGT	400	200
406-2MGT	406	203
412-2MGT	412	206
420-2MGT	420	210
428-2MGT	428	214
430-2MGT	430	215
436-2MGT	436	218
466-2MGT	466	233
474-2MGT	474	237
480-2MGT	480	240
488-2MGT	488	244
502-2MGT	502	251
516-2MGT	516	258
534-2MGT	534	267
544-2MGT	544	272
576-2MGT	576	288
600-2MGT	600	300
660-2MGT	660	330
690-2MGT	690	345
816-2MGT	816	408
930-2MGT	930	465
1032-2MGT	1 032	516
1164-2MGT	1 164	582
1386-2MGT	1 386	693
1700-2MGT	1 700	850
1830-2MGT	1 830	915

Standard widths*
mm
3
6
9

\* Other widths available on request.



# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 3MGT

Description	Datum length	No. of teeth
	mm	
105-3MGT	105	35
120-3MGT	120	40
135-3MGT	135	45
144-3MGT	144	48
150-3MGT	150	50
165-3MGT	165	55
174-3MGT	174	58
180-3MGT	180	60
186-3MGT	186	62
192-3MGT	192	64
195-3MGT	195	65
204-3MGT	204	68
210-3MGT	210	70
216-3MGT	216	72
225-3MGT	225	75
231-3MGT	231	77
234-3MGT	234	78
240-3MGT	240	80
243-3MGT	243	81
246-3MGT	246	82
252-3MGT	252	84
255-3MGT	255	85
267-3MGT	267	89
270-3MGT	270	90
276-3MGT	276	92
282-3MGT	282	94
285-3MGT	285	95
288-3MGT	288	96
294-3MGT	294	98
300-3MGT	300	100
303-3MGT	303	101
309-3MGT	309	103
312-3MGT	312	104
324-3MGT	324	108
330-3MGT	330	110
339-3MGT	339	113
354-3MGT	354	118
357-3MGT	357	119
360-3MGT	360	120
363-3MGT	363	121
375-3MGT	375	125
384-3MGT	384	128
387-3MGT	387	129
390-3MGT	390	130
393-3MGT	393	131
399-3MGT	399	133
408-3MGT	408	136
420-3MGT	420	140
426-3MGT	426	142
450-3MGT	450	150
456-3MGT	456	152

Standard widths*
mm
6
9
15

\* Other widths available on request.

# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 3MGT (CONTINUED)

Description	Datum length	No. of teeth
mm		
480-3MGT	480	160
489-3MGT	489	163
495-3MGT	495	165
501-3MGT	501	167
510-3MGT	510	170
513-3MGT	513	171
522-3MGT	522	174
537-3MGT	537	179
540-3MGT	540	180
552-3MGT	552	184
561-3MGT	561	187
564-3MGT	564	188
570-3MGT	570	190
582-3MGT	582	194
588-3MGT	588	196
600-3MGT	600	200
621-3MGT	621	207
630-3MGT	630	210
657-3MGT	657	219
750-3MGT	750	250
777-3MGT	777	259
840-3MGT	840	280
849-3MGT	849	283
897-3MGT	897	299
1587-3MGT	1 587	529
1692-3MGT	1 692	564

Standard widths*
mm
6
9
15

\* Other widths available on request.



# POWERGRIP™ GT3 2MGT, 3MGT & 5MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 5MGT

Description	Datum length	No. of teeth
	mm	
200-5MGT	200	40
225-5MGT	225	45
250-5MGT	250	50
265-5MGT	265	53
275-5MGT	275	55
280-5MGT	280	56
285-5MGT	285	57
300-5MGT	300	60
325-5MGT	325	65
330-5MGT	330	66
340-5MGT	340	68
350-5MGT	350	70
360-5MGT	360	72
375-5MGT	375	75
400-5MGT	400	80
410-5MGT	410	82
415-5MGT	415	83
425-5MGT	425	85
450-5MGT	450	90
460-5MGT	460	92
475-5MGT	475	95
490-5MGT	490	98
500-5MGT	500	100
510-5MGT	510	102
525-5MGT	525	105
530-5MGT	530	106
540-5MGT	540	108
550-5MGT	550	110
600-5MGT	600	120
625-5MGT	625	125
650-5MGT	650	130
665-5MGT	665	133
700-5MGT	700	140
750-5MGT	750	150
775-5MGT	775	155
800-5MGT	800	160
850-5MGT	850	170
860-5MGT	860	172
900-5MGT	900	180
950-5MGT	950	190
980-5MGT	980	196
1000-5MGT	1 000	200
1050-5MGT	1 050	210
1150-5MGT	1 150	230
1270-5MGT	1 270	254
1500-5MGT	1 500	300
1755-5MGT	1 755	351
1850-5MGT	1 850	370
2100-5MGT	2 100	420
2440-5MGT	2 440	488

Standard widths*
mm
9
15
25

\* Other widths available on request.

# POWERGRIP™ GT4 8MGT & 14MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

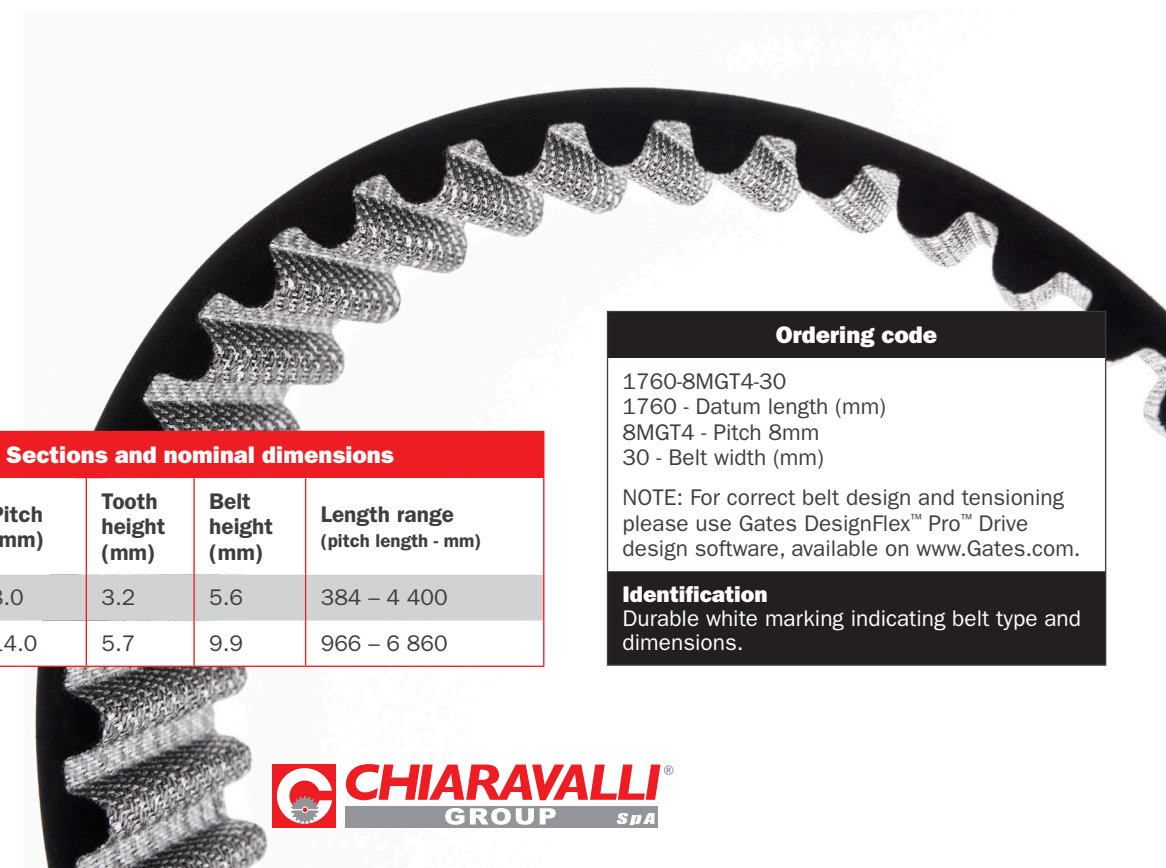
Engineered with the latest in advanced technology and materials science expertise, Gates® PowerGrip™ GT4™ delivers the highest power-transmission capacity of any belt in its class. Utilising all new advanced materials, Gates designed an ethylene elastomer belt with increased power capacity and wider temperature range. The NEW PowerGrip™ GT4™ belt delivers improved performance over a wide range of industrial applications. The 8MGT and 14MGT pitches are the ideal choice for high performance drives in the machine tool, machines for paper industries and in those applications where durability and low maintenance are required.

## CONSTRUCTION

- Technically advanced polymer with fibreglass tensile cord, elastomeric teeth and top and nylon covering.
- Newly engineered EPDM rubber protects the cords from environmental pollution and frictional wear.
- The helically wound fibreglass tensile member offers exceptional strength, bending capacity and elongation
- Low friction nylon cover protects the teeth surface against wear.
- The teeth profile and pitch are made to an even more accurate precision.
- Standard widths of 20, 30, 50, 85mm (8MGT); 40, 55, 85, 115, 170mm (14MGT). Other widths available on request.

## BENEFITS

- Substantial increase in power delivery: up to 25% more than previous models.
- Reduced maintenance costs thanks to longer service life.
- Compact, light-weight and cost-effective drives.
- Improved tooth jump resistance.
- No lubrication required.
- Static conductive (ISO 9563) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- On demand, available in PowerPaint™ version, to eliminate paint contamination risk (see pag. 40).
- Temperature range: -40°C to +140°C (for intermittent use).
- Perfect operation on HTD™ profile pulleys.
- Halogen-free: environmentally friendly.



### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.2	5.6	384 – 4 400
14MGT	14.0	5.7	9.9	966 – 6 860

### Ordering code

1760-8MGT4-30  
1760 - Datum length (mm)  
8MGT4 - Pitch 8mm  
30 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ Drive design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating belt type and dimensions.



# POWERGRIP™ GT4 8MGT & 14MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 8MGT

Description	Datum length	No. of teeth
mm		
384-8MGT	384	48
424-8MGT	424	53
472-8MGT	472	59
480-8MGT	480	60
560-8MGT	560	70
576-8MGT	567	72
600-8MGT	600	75
640-8MGT	640	80
656-8MGT	656	82
720-8MGT	720	90
760-8MGT	760	95
800-8MGT	800	100
840-8MGT	840	105
880-8MGT	880	110
920-8MGT	920	115
960-8MGT	960	120
976-8MGT	976	122
1000-8MGT	1000	125
1040-8MGT	1040	130
1064-8MGT	1064	133
1080-8MGT	1080	1335
1104-8MGT	1104	138
1120-8MGT	1120	140
1160-8MGT	1160	145
1200-8MGT	1200	150
1224-8MGT	1224	153
1264-8MGT	1264	158
1280-8MGT	1280	160
1360-8MGT	1360	170
1440-8MGT	1440	180
1512-8MGT	1512	189
1552-8MGT	1552	194
1584-8MGT	1584	198
1600-8MGT	1600	200
1696-8MGT	1696	212
1760-8MGT	1760	220
1800-8MGT	1800	225
1880-8MGT	1880	235
1896-8MGT	1896	237
2000-8MGT	2000	250
2080-8MGT	2080	260
2200-8MGT	2200	275
2400-8MGT	2400	300
2600-8MGT	2600	325
2800-8MGT	2800	350
3048-8MGT	3048	381
3280-8MGT	3280	410
3600-8MGT	3600	450
4400-8MGT	4400	550

Standard widths*
mm
20
30
50
85

\* Other widths available on request.

# POWERGRIP™ GT4 8MGT & 14MGT

RUBBER SYNCHRONOUS BELT WITH OPTIMISED TEETH PROFILES



DRIVEN BY POSSIBILITY™

## 14MGT

Description	Datum length	No. of teeth
mm		
966-14MGT	966	69
1190-14MGT	1 190	85
1400-14MGT	1 400	100
1610-14MGT	1 610	115
1750-14MGT	1 750	125
1778-14MGT	1 778	127
1890-14MGT	1 890	135
2100-14MGT	2 100	150
2310-14MGT	2 310	165
2450-14MGT	2 450	175
2590-14MGT	2 590	185
2800-14MGT	2 800	200
3150-14MGT	3 150	225
3360-14MGT	3 360	240
3500-14MGT	3 500	250
3850-14MGT	3 850	275
4004-14MGT	4004	286
4326-14MGT	4 326	309
4578-14MGT	4 578	327
4956-14MGT	4 956	354
5320-14MGT	5 320	380
5740-14MGT	5 740	410
6160-14MGT	6 160	440
6860-14MGT	6 860	490

Standard widths*
mm
40
55
85
115
170

\* Other widths available on request.





# POWERGRIP™ GTX

RUBBER SYNCHRONOUS BELT WITH MAXIMUM VERSATILITY TOOTH PROFILE



DRIVEN BY POSSIBILITY™

**PowerGrip™ GTX is the newest premium rubber synchronous belt in the Gates belt range. Available in 8M and 14M pitches, this belt is an excellent choice for high-performance, high-torque conditions and for a quiet operation. Whether it is for a new drive design or for a replacement, PowerGrip™ GTX is the trusted choice.**

## CONSTRUCTION

- High-strength, low-elongation fibreglass tensile cords for maximum shock load resistance.
- Quiet-operation and maintenance-free.
- Compact, light-weight, economical.
- Static conductive (ISO 9563) and can as such be used in the conditions described in the Directive 2014/34/EU- ATEX.
- Standard available in widths of 20, 30, 40, 50, 65, 85mm (8M) and 20, 40, 55, 85, 115, 170mm (14M). Other widths available on request.
- On demand, available in PowerPainT™ version, to eliminate paint contamination risk (see pag. 40).

## BENEFITS

- Easy replacement and upgrade of existing HTD™/GT3 type applications.
- More compact drive package.
- 40% increase in power capacity compared to PowerGrip™ GT3.
- Reliable operation and trouble-free working life, for a longer service life of your system.
- Substantial reduction of your day-to-day operational costs by eliminating downtime and maximising productivity.
- Temperature range: -30°C to +100°C.
- Ideal alternative to other high-strength rubber synchronous belts.
- Maximum reliability and productivity are guaranteed whenever a Gates PowerGrip™ GTX is installed.
- Perfect operation on HTD™ profile pulleys.

### Ordering code

2400-8MX-20  
 2400 - Datum length (mm)  
 8MX - Pitch 8mm  
 20 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MX	8.0	3.4	5.6	264 – 4 400
14MX	14.0	6.0	10.0	784 – 4 578



# POWERGRIP™ GTX

RUBBER SYNCHRONOUS BELT WITH MAXIMUM VERSATILITY TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## 8MX

Description	Datum length	No. of teeth
mm		
264-8MX	264	33
320-8MX	320	40
376-8MX	376	47
384-8MX	384	48
424-8MX	424	53
480-8MX	480	60
512-8MX	512	64
520-8MX	520	65
560-8MX	560	70
576-8MX	576	72
600-8MX	600	75
608-8MX	608	76
624-8MX	624	78
640-8MX	640	80
656-8MX	656	82
720-8MX	720	90
760-8MX	760	95
776-8MX	776	97
800-8MX	800	100
856-8MX	856	107
840-8MX	840	105
880-8MX	880	110
912-8MX	912	114
920-8MX	920	115
960-8MX	960	120
968-8MX	968	121
976-8MX	976	122
1000-8MX	1 000	125
1040-8MX	1 040	130
1064-8MX	1 064	133
1080-8MX	1 080	135
1120-8MX	1 120	140
1128-8MX	1 128	141
1160-8MX	1 160	145
1176-8MX	1 176	147
1200-8MX	1 200	150
1216-8MX	1 216	152
1224-8MX	1 224	153
1256-8MX	1 256	157
1264-8MX	1 264	158
1280-8MX	1 280	160
1304-8MX	1 304	163
1360-8MX	1 360	170
1424-8MX	1 424	178
1432-8MX	1 432	179
1440-8MX	1 440	180
1512-8MX	1 512	189
1520-8MX	1 520	190
1552-8MX	1 552	194
1584-8MX	1 584	198
1600-8MX	1 600	200

Standard widths*
mm
20
30
40
50
65
85

\* Other widths available on request.



# POWERGRIP™ GTX

RUBBER SYNCHRONOUS BELT WITH MAXIMUM VERSATILITY TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## 8MX (CONTINUED)

Description	Datum length	No. of teeth
mm		
1696-8MX	1 696	212
1728-8MX	1 728	216
1760-8MX	1 760	220
1800-8MX	1 800	225
1880-8MX	1 880	235
1896-8MX	1 896	237
1904-8MX	1 904	238
2000-8MX	2 000	250
2080-8MX	2 080	260
2200-8MX	2 200	275
2240-8MX	2 240	280
2272-8MX	2 272	284
2400-8MX	2 400	300
2504-8MX	2 504	313
2600-8MX	2 600	325
2800-8MX	2 800	350
3048-8MX	3 048	381
3280-8MX	3 280	410
3600-8MX	3 600	450
4400-8MX	4 400	550

Standard widths*
mm
20
30
40
50
65
85

\* Other widths available on request.

## 14MX

Description	Datum length	No. of teeth
mm		
784-14MX	784	56
826-14MX	826	59
924-14MX	924	66
966-14MX	966	69
1092-14MX	1 092	78
1190-14MX	1 190	85
1400-14MX	1 400	100
1610-14MX	1 610	115
1750-14MX	1 750	125
1778-14MX	1 778	127
1890-14MX	1 890	135
2100-14MX	2 100	150
2310-14MX	2 310	165
2450-14MX	2 450	175
2590-14MX	2 590	185
2800-14MX	2 800	200
3150-14MX	3 150	225
3500-14MX	3 500	250
3850-14MX	3 850	275
4004-14MX	4 004	286
4326-14MX	4 326	309
4578-14MX	4 578	327

Standard widths*
mm
20
40
55
85
115
170

\* Other widths available on request.

# POLY CHAIN® GT2

POLYURETHANE SYNCHRONOUS BELT WITH GT TOOTH PROFILE AND ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

Poly Chain® GT2 has been designed for optimum performance on high torque, low speed drives in any industrial application. This lightweight belt allows for an increased power transmission, up to 40% higher than the previous versions, while maintaining the same service life durability. Poly Chain® GT2 operates on Poly Chain® GT pulleys. These Poly Chain® GT2 synchronous belts do not require re-tensioning nor lubrication, thus offering an excellent alternative to roller chains. Space-saving, weight-saving and money-saving, Poly Chain® GT2 drives ensure a long and reliable working life.

## CONSTRUCTION

- Teeth and top are made of a lightweight polyurethane polymer and offer a unique adherence strength to the tensile member and fabric. This uniquely formulated polyurethane makes the belt tough and virtually immune to abrasion and chemicals.
- The aramid cords provide extraordinary power-transmission capacity.
- Flex fatigue life of aramid is exceptional, and its high impact strength withstands shocks and surge overloading.
- The fabric covering the teeth is highly resistant to oil, chemicals, pollutants, corrosion and abrasion. It is exceptionally durable and remains fully operational.
- The fabric covering reduces friction development with the pulley, thus reducing overheating.
- Standard widths of 12, 21, 36, 62mm (8MGT); and 20, 37, 68, 90, 125mm (14MGT).

## BENEFITS

- Significantly increased transmissible power.
- High efficiency positive drive.
- Maintenance-free: no lubrication or re-tensioning needed.
- Allows saving in terms of space, weight and money.
- Temperature range: -54°C to +85°C.
- Perfect fit on Poly Chain® GT profile pulleys.
- On demand, available in PowerPaint™ version, to eliminate paint contamination risk (see pag. 40).

### Ordering code

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

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.4	5.9	640 – 4 480
14MGT	14.0	6.0	10.2	994 – 4 410

For Poly Chain® GT 8MGT and 14MGT sprocket range refer to pages 49, 51, 52, 53.



# POLY CHAIN® GT2

POLYURETHANE SYNCHRONOUS BELT WITH GT TOOTH PROFILE AND ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

## 8MGT

Description	Datum length	No. of teeth
mm		
8MGT-640	640	80
8MGT-720	720	90
8MGT-800	800	100
8MGT-896	896	112
8MGT-960	960	120
8MGT-1000	1 000	125
8MGT-1040	1 040	130
8MGT-1120	1 120	140
8MGT-1200	1 200	150
8MGT-1224	1 224	153
8MGT-1280	1 280	160
8MGT-1440	1 440	180
8MGT-1600	1 600	200
8MGT-1760	1 760	220
8MGT-1792	1 792	224
8MGT-2000	2 000	250
8MGT-2200	2 200	275
8MGT-2240	2 240	280
8MGT-2400	2 400	300
8MGT-2520	2 520	315
8MGT-2600	2 600	325
8MGT-2800	2 800	350
8MGT-2840	2 840	355
8MGT-3048	3 048	381
8MGT-3200	3 200	400
8MGT-3280	3 280	410
8MGT-3600	3 600	450
8MGT-4000	4 000	500
8MGT-4400	4 400	550
8MGT-4480	4 480	560

Standard widths*
mm
12
21
36
62

\* Other widths available on request.

# POLY CHAIN® GT2

POLYURETHANE SYNCHRONOUS BELT WITH GT TOOTH PROFILE AND ARAMID TENSION MEMBER



DRIVEN BY POSSIBILITY™

## 14MGT

Description	Datum length	No. of teeth
mm		
14MGT-994	994	71
14MGT-1120	1 120	80
14MGT-1190	1 190	85
14MGT-1260	1 260	90
14MGT-1400	1 400	100
14MGT-1568	1 568	112
14MGT-1610	1 610	115
14MGT-1750	1 750	125
14MGT-1890	1 890	135
14MGT-1960	1 960	140
14MGT-2100	2 100	150
14MGT-2240	2 240	160
14MGT-2310	2 310	165
14MGT-2380	2 380	170
14MGT-2450	2 450	175
14MGT-2520	2 520	180
14MGT-2590	2 590	185
14MGT-2660	2 660	190
14MGT-2800	2 800	200
14MGT-3136	3 136	224
14MGT-3304	3 304	236
14MGT-3360	3 360	240
14MGT-3500	3 500	250
14MGT-3850	3 850	275
14MGT-3920	3 920	280
14MGT-4326	4 326	309
14MGT-4410	4 410	315

Standard widths
mm
20
37
68
90
125



# POLY CHAIN® CARBON™ VOLT™

ANTI-STATIC POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH



## THE POWER YOU WANT, THE SAFETY YOU NEVER HAD

Antistatic power transmission belts are a must in ATEX environments. To ensure the highest safety standards, their capacity to safely dissipate static electricity should meet the required levels throughout the entire lifetime of the belt - and not only right after you bought it. The Poly Chain® Carbon™ Volt™ belt is the only belt on the market that meets the ISO 9563 standard over its entire lifespan. Its patented static-conductive jacket construction transfers static electricity safely to carbon tensile cords, away from the driven side of the application – making it your safest and strongest option for applications in ATEX environments.

## CONSTRUCTION

- Static conductive (ISO 9563) and can be used in the conditions described in the Directive 2014/34/EU- ATEX.
- Chemically resistant polyurethane polymer that ensures optimum adhesion with the carbon tensile cords.
- Carbon fibre reinforcement for high strength and length stability.
- Nylon fabric covering that acts as a wear resistant surface, protecting the teeth and keeping frictional losses to a minimum.
- Curvilinear tooth profile for improved stress distribution and higher overall loading capacity.
- Standard widths of 12, 21, 36, 62mm (8MGT) 20, 37, 68, 90, 125mm (14MGT). Other widths available on request.

## BENEFITS

- Maintains static conductivity over the entire belt lifetime.
- 400% greater capacity compared to HTD belts.
- 5% energy savings compared to V-belts.
- 99% efficiency is maintained throughout life of the drive.
- Reduced maintenance and downtime.
- Reduced weight and radial loads.
- Inert to most acids, chemicals and water.
- On demand, available in PowerPain™ version, to eliminate paint contamination risk (see pag. 40).
- Temperature range: -54°C to +85°C.
- Perfect fit on Poly Chain® GT profile pulleys.

### Ordering code

14MGTV-1890-37  
 14MGT - Pitch 14mm  
 V Version - Carbon™ Volt™  
 1890 - Datum length (mm)  
 37 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.4	5.9	640 – 4 480
14MGT	14.0	6.0	10.2	994 – 4 410

For Poly Chain® GT 8MGT and 14MGT sprocket range refer to pages 49, 51, 52, 53.

# POLY CHAIN® CARBON™ VOLT™

ANTI-STATIC POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH



DRIVEN BY POSSIBILITY™

## 8MGT

Description	Datum length	No. of teeth
mm		
8MGTV-640	640	80
8MGTV-720	720	90
8MGTV-800	800	100
8MGTV-896	896	112
8MGTV-960	960	120
8MGTV-1000	1 000	125
8MGTV-1040	1 040	130
8MGTV-1120	1 120	140
8MGTV-1200	1 200	150
8MGTV-1224	1 224	153
8MGTV-1280	1 280	160
8MGTV-1440	1 440	180
8MGTV-1600	1 600	200
8MGTV-1760	1 760	220
8MGTV-1792	1 792	224
8MGTV-2000	2 000	250
8MGTV-2200	2 200	275
8MGTV-2240	2 240	280
8MGTV-2400	2 400	300
8MGTV-2520	2 520	315
8MGTV-2600	2 600	325
8MGTV-2800	2 800	350
8MGTV-2840	2 840	355
8MGTV-3048	3 048	381
8MGTV-3200	3 200	400
8MGTV-3280	3 280	410
8MGTV-3600	3 600	450
8MGTV-4000	4 000	500
8MGTV-4400	4 400	550
8MGTV-4480	4 480	560

Standard widths*
mm
12
21
36
62

\* Other widths available on request.

III





# POLY CHAIN<sup>®</sup>CARBON<sup>™</sup> VOLT<sup>™</sup>

ANTI-STATIC POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH



DRIVEN BY POSSIBILITY<sup>™</sup>

## 14MGT

Description	Datum length	No. of teeth
mm		
14MGTV-994	994	71
14MGTV-1120	1 120	80
14MGTV-1190	1 190	85
14MGTV-1260	1 260	90
14MGTV-1400	1 400	100
14MGTV-1568	1 568	112
14MGTV-1610	1 610	115
14MGTV-1750	1 750	125
14MGTV-1890	1 890	135
14MGTV-1960	1 960	140
14MGTV-2100	2 100	150
14MGTV-2240	2 240	160
14MGTV-2310	2 310	165
14MGTV-2380	2 380	170
14MGTV-2450	2 450	175
14MGTV-2520	2 520	180
14MGTV-2590	2 590	185
14MGTV-2660	2 660	190
14MGTV-2730	2 730	195
14MGTV-2800	2 800	200
14MGTV-2828	2 828	202
14MGTV-3136	3 136	224
14MGTV-3304	3 304	236
14MGTV-3360	3 360	240
14MGTV-3500	3 500	250
14MGTV-3850	3 850	275
14MGTV-3920	3 920	280
14MGTV-4326	4 326	309
14MGTV-4410	4 410	315

Standard widths*
mm
20
37
68
90
125

\* Other widths available on request.

# MINI POLY CHAIN® GT CARBON™ 8MGT

POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH PROFILE



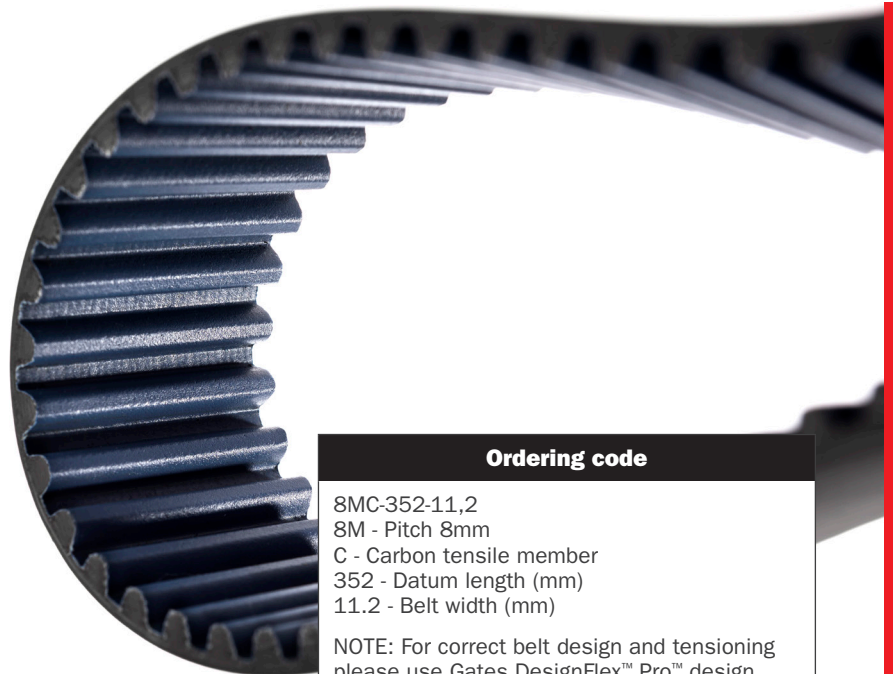
This compact polyurethane synchronous belt opens up new opportunities in the design of conveyor drives and is an alternative to roller chains. Poly Chain® GT Carbon™ does not require lubrication or tensioning and is characterised by low noise levels even at high transport speeds. The special construction is highly resistant to aggressive influences such as dust, oil and chemicals.

## CONSTRUCTION

- Teeth and top are made of a lightweight polyurethane polymer and offer a unique adherence strength to the tensile member and fabric.
- The carbon fibre tensile cords provide extraordinary power transmission capacity.
- Flex fatigue life of carbon is exceptional, and its high impact strength withstands shocks and surge loading.
- Standard widths of 11.2, 21, 36, 62 mm. Other widths available on request.

## BENEFITS

- Reduced maintenance and downtime.
- Carbon cords easily handle shock loads.
- It works on fixed centre drives.
- No lubrication required.
- Smooth running roller conveyor.
- Inert to most acids, chemicals and water.
- No need for constant re-tensioning.
- On demand, available in PowerPainT™ version, to eliminate paint contamination risk (see pag. 40).
- Temperature range: -54°C to +85°C.
- Perfect fit on Poly Chain® GT profile pulleys.



### Ordering code

8MC-352-11,2  
 8M - Pitch 8mm  
 C - Carbon tensile member  
 352 - Datum length (mm)  
 11.2 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
8MGT	8.0	3.4	5.9	248 – 608

For Poly Chain® GT 8MGT sprocket range refer to pag. 49.



# MINI POLY CHAIN®GT CARBON™ 8MGT



DRIVEN BY POSSIBILITY™

## 8MGT

Description	Datum length	No. of teeth
	mm	
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

Standard widths*
mm
11.2
12
21
36
62

\* Other widths available on request.

# POLY CHAIN® GT CARBON 5MGT

POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH PROFILE



Gates Poly Chain® GT Carbon™ 5MGT uses the original construction which is designed for optimum performance on high torque, low speed drives. Poly Chain® GT Carbon™ 5MGT belts are ideally suited for use in machine tool, roller conveyors, small conveyors and compact machines where space management is challenging. 5MGT Poly Chain® GT belts are now available in Gates Carbon construction. This new construction embodies the highest capacity and accuracy combination possible in a compact drive.

## CONSTRUCTION

- Durable high temperature polyurethane construction resists chemicals, oil, pollutants and abrasion.
- Gates patented curvilinear tooth profile provides high shear strength and improved load-carrying capacity.
- Nylon tooth covering reduces friction and eliminates the need for lubrication.
- Robust carbon tensile cord combines minimal stretch with extraordinary strength while absorbing shock and surge loads.
- Standard widths of 9, 15, 25mm. Other widths available on request.

## BENEFITS

- All the benefits of the Poly Chain® range performance on compact drives.
- High efficiency and accuracy positive drive.
- Maintenance-free.
- Reduced maintenance and downtime.
- Carbon cords easily handle shock loads.
- No lubrication required.
- Inert to most acids, chemicals and water.
- No need for constant re-tensioning.
- Temperature range: -54°C to +85°C.
- Compatible with PowerGRIP™ GT 5MR sprockets.



### Ordering code

5MGTC-425-15  
 5MGT - Pitch 5mm  
 C - Carbon tensile member  
 425 - Datum length (mm)  
 15 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
5MGT	5.0	1.93	3.81	300 – 815

For Poly Chain® GT 5MGT sprocket range refer to pag. 50.



# POLY CHAIN® GT CARBON 5MGT

POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH PROFILE



## 5MGT

Description	Datum length	No. of teeth
	mm	
5MGT-300	300	60
5MGT-375	375	75
5MGT-425	425	85
5MGT-500	500	100
5MGT-535	535	107
5MGT-600	600	120
5MGT-635	635	127
5MGT-700	700	140
5MGT-815	815	163

Standard widths*
mm
9
15
25

\* Other widths available on request.

# POLY CHAIN® GT CARBON™ EXTENDED LENGTH

POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH PROFILE



DRIVEN BY POSSIBILITY™

Gates Poly Chain® GT Carbon™ belts are renowned for being highly performing and maintenance-free. Now Gates introduces a Poly Chain® solution that can handle even longer centre distances. The unique manufacturing process allows longer Poly Chain® endless belts that deliver high load carrying capabilities. In the past large and heavy roller chains were the only option for long centre distance drives. Now there is an alternative that requires less maintenance, less replacements resulting in less downtime and cleaner operation. The Extended Length process is applied to belt lengths with 14M pitch and over 4410 mm length.

## CONSTRUCTION

- Durable polyurethane construction resists chemicals, oil, pollutants and abrasion.
- Gates patented curvilinear tooth profile provides high shear strength and improved load-carrying capacity.
- Nylon tooth covering reduces friction and eliminates the need for lubrication.
- Robust carbon tensile cord combines minimal stretch with extraordinary strength while absorbing shock and surge loads.
- Standard widths of 37, 68, 90, 125 mm (14MGT). Other widths or other lengths are available on request.

## BENEFITS

- Long length up to 20,000 mm.
- High power density.
- Lubrication free.
- Maintenance-free.
- Stretch-free.
- Long belt and sprocket life.
- 96% less weight compared to the chain equivalent.
- Temperature range: -54°C to +85°C.
- Perfect fit on Poly Chain® GT profile pulleys.

### Sections and nominal dimensions

Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length range (pitch length - mm)
14MGT	14.0	6.0	10.2	4 578 – 9 660

For Poly Chain GT 14MGT sprocket range refer to pag. 49.  
Other lengths are available on request.  
Please consult with your sales representative.

### Ordering code

14MGTC-4956-37  
14MGT - Pitch 14mm  
C - Carbon tensile member  
4956 - Datum length (mm)  
37 - Belt width (mm)

NOTE: For correct belt design and tensioning please use Gates DesignFlex™ Pro™ design software, available on [www.Gates.com](http://www.Gates.com).

### Identification

Durable white marking indicating the belt type and belt dimensions.



# POLY CHAIN® GT CARBON™ EXTENDED LENGTH

POLYURETHANE SYNCHRONOUS BELT WITH CURVILINEAR GT TOOTH PROFILE



DRIVEN BY POSSIBILITY™

## 14MGT

Description	Datum length	No. of teeth
	mm	
14MGTC-4578	4 578	327
14MGTC-4956	4 956	354
14MGTC-5740	5 740	410
14MGTC-6160	6 160	440
14MGTC-6860	6 860	490
14MGTC-7560	7 560	540
14MGTC-8260	8 260	590
14MGTC-8960	8 960	640
14MGTC-9660	9 660	690

Standard widths*
mm
37
68
90
125

\* Other widths available on request.

# TWIN POWER

## DOUBLE SIDED RUBBER SYNCHRONOUS BELT



DRIVEN BY POSSIBILITY™

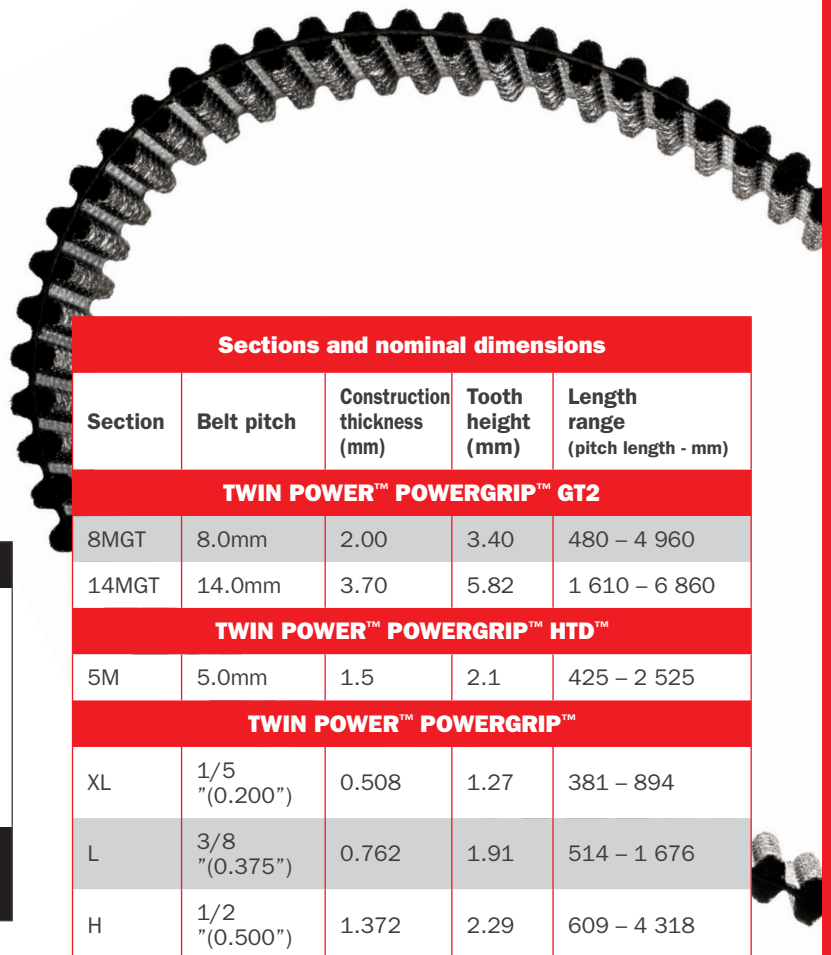
Featuring teeth on both sides placed directly opposite to each other, Twin Power™ synchronous belts ensure high loading capacity on contra-rotating drives and ensure smooth running and high flexibility. They are available with the classical trapezoidal tooth profile and also with the unique GT tooth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

### CONSTRUCTION

- Similar in construction to PowerGrip™ classical synchronous and PowerGrip™ GT2 belts: high-strength fibre glass tensile member precision formed elastomeric teeth and body.
- Wear resistant nylon fabric on both tooth sides.
- Standard widths for belt pitch in mm and belt width code:
- Twin Power™ PowerGrip™ GT2
  - 8MGT: 20, 30, 50, 85mm
  - 14MGT: 40, 55, 85, 115, 170mm
- Twin Power™ PowerGrip™ HTD™
  - 5M: 9, 15, 25mm
- Twin Power™ PowerGrip™:
  - XL:
    - 6.4mm (code 025), 7.9mm (code 031), 9.5mm (code 037)
  - L:
    - 12.7mm (code 050), 19.1mm (code 075), 25.4mm (code 100)
  - H:
    - 19.1mm (code 075), 25.4mm (code 100), 38.1mm (code 150), 50.8mm (code 200), 76.2mm (code 300)
- Other widths available on request.

### BENEFITS

- High load-carrying 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-slipping.
- Low noise operation.
- Lubrication and maintenance free.
- Temperature range: -30°C to +100°C.



Ordering code
TP-1120-8MGT2-20 TP - Twin Power 1120 - Datum length (mm) 8MGT2 - Pitch 8mm 20 - Belt width (mm)
NOTE: For correct design and tensioning of the belt please consult with our application engineering team.
Identification
Durable white marking indicating the belt type and belt dimensions.

Sections and nominal dimensions				
Section	Belt pitch	Construction thickness (mm)	Tooth height (mm)	Length range (pitch length - mm)
<b>TWIN POWER™ POWERGRIP™ GT2</b>				
8MGT	8.0mm	2.00	3.40	480 – 4 960
14MGT	14.0mm	3.70	5.82	1 610 – 6 860
<b>TWIN POWER™ POWERGRIP™ HTD™</b>				
5M	5.0mm	1.5	2.1	425 – 2 525
<b>TWIN POWER™ POWERGRIP™</b>				
XL	1/5 "(0.200")	0.508	1.27	381 – 894
L	3/8 "(0.375")	0.762	1.91	514 – 1 676
H	1/2 "(0.500")	1.372	2.29	609 – 4 318





# TWIN POWER

## DOUBLE SIDED RUBBER SYNCHRONOUS BELT



### XL

Description	Datum length		No. of teeth
	mm		
TP-150-XL	381.00		75
TP-160-XL	406.40		80
TP-170-XL	431.80		85
TP-180-XL	457.20		90
TP-190-XL	482.60		95
TP-200-XL	508.00		100
TP-210-XL	533.40		105
TP-220-XL	558.80		110
TP-230-XL	584.20		115
TP-240-XL	609.60		120
TP-250-XL	635.00		125
TP-260-XL	660.40		130
TP-280-XL	711.20		140
TP-290-XL	736.60		145
TP-300-XL	762.00		150
TP-310-XL	787.40		155
TP-348-XL	883.92		174
TP-352-XL	894.08		176

Standard widths*	
mm	code
6.4	025
7.9	031
9.5	037

\* Other widths available on request.

### L

Description	Datum length		No. of teeth
	mm		
TP-202-L	514.35		54
TP-210-L	533.40		56
TP-225-L	571.50		60
TP-240-L	609.60		64
TP-255-L	647.70		68
TP-270-L	685.80		72
TP-285-L	723.90		76
TP-300-L	762.00		80
TP-322-L	819.15		86
TP-345-L	876.30		92
TP-367-L	933.45		98
TP-390-L	990.60		104
TP-420-L	1 066.80		112
TP-450-L	1 143.00		120
TP-480-L	1 219.20		128
TP-510-L	1 295.40		136
TP-540-L	1 371.60		144
TP-600-L	1 524.00		160
TP-630-L	1 600.20		168
TP-660-L	1 676.40		176

Standard widths*	
mm	code
12.7	050
19.1	075
25.4	100

\* Other widths available on request.

# TWIN POWER

## DOUBLE SIDED RUBBER SYNCHRONOUS BELT



DRIVEN BY POSSIBILITY™

### H

Description	Datum length	No. of teeth
mm		
TP-240-H	609.60	48
TP-270-H	685.80	54
TP-300-H	762.00	60
TP-330-H	838.20	66
TP-360-H	914.40	72
TP-390-H	990.60	78
TP-420-H	1 066.80	84
TP-450-H	1 143.00	90
TP-480-H	1 219.20	96
TP-510-H	1 295.40	102
TP-540-H	1 371.60	108
TP-570-H	1 447.80	114
TP-600-H	1 524.00	120
TP-630-H	1 600.20	126
TP-660-H	1 676.40	132
TP-700-H	1 778.00	140
TP-750-H	1 905.00	150
TP-800-H	2 032.00	160
TP-850-H	2 159.00	170
TP-900-H	2 286.00	180
TP-1000-H	2 540.00	200
TP-1100-H	2 794.00	220
TP-1250-H	3 175.00	250
TP-1400-H	3 556.00	280
TP-1700-H	4 318.00	340

Standard widths*	
mm	code
19.1	075
25.4	100
38.1	150
50.8	200
76.2	300

\* Other widths available on request.



# TWIN POWER



DRIVEN BY POSSIBILITY™

## POWERGRIP™ HTD™ 5M

Description	Datum length	No. of teeth
mm		
TP-HTD-425-5M	425	85
TP-HTD-475-5M	475	95
TP-HTD-500-5M	500	100
TP-HTD-600-5M	600	120
TP-HTD-615-5M	615	123
TP-HTD-640-5M	640	128
TP-HTD-670-5M	670	134
TP-HTD-700-5M	700	140
TP-HTD-755-5M	755	151
TP-HTD-800-5M	800	160
TP-HTD-835-5M	835	167
TP-HTD-890-5M	890	178
TP-HTD-925-5M	925	185
TP-HTD-935-5M	935	187
TP-HTD-1100-5M	1 100	220
TP-HTD-1200-5M	1 200	240
TP-HTD-1270-5M	1 270	254
TP-HTD-1420-5M	1 420	284
TP-HTD-1595-5M	1 595	319
TP-HTD-1690-5M	1 690	338
TP-HTD-1870-5M	1 870	374
TP-HTD-1945-5M	1 945	389
TP-HTD-2000-5M	2 000	400
TP-HTD-2100-5M	2 100	420
TP-HTD-2250-5M	2 250	450
TP-HTD-2350-5M	2 350	470
TP-HTD-2525-5M	2 525	505

Standard widths*
mm
9.0
15.0
25.0

\* Other widths available on request.

# TWIN POWER

## DOUBLE SIDED RUBBER SYNCHRONOUS BELT



DRIVEN BY POSSIBILITY™

### POWERGRIP™ GT2 8MGT

Description	Datum length	No. of teeth	Standard widths*
	mm		mm
TP-GT2-480-8MGT	480	60	20
TP-GT2-560-8MGT	560	70	30
TP-GT2-600-8MGT	600	75	50
TP-GT2-640-8MGT	640	80	85
TP-GT2-720-8MGT	720	90	
TP-GT2-800-8MGT	800	100	
TP-GT2-880-8MGT	880	110	
TP-GT2-960-8MGT	960	120	
TP-GT2-1040-8MGT	1 040	130	
TP-GT2-1120-8MGT	1 120	140	
TP-GT2-1200-8MGT	1 200	150	
TP-GT2-1280-8MGT	1 280	160	
TP-GT2-1360-8MGT	1 360	170	
TP-GT2-1440-8MGT	1 440	180	
TP-GT2-1600-8MGT	1 600	200	
TP-GT2-1760-8MGT	1 760	220	
TP-GT2-1800-8MGT	1 800	225	
TP-GT2-2000-8MGT	2 000	250	
TP-GT2-2200-8MGT	2 200	275	
TP-GT2-2400-8MGT	2 400	300	
TP-GT2-2600-8MGT	2 600	325	
TP-GT2-2800-8MGT	2 800	350	
TP-GT2-3048-8MGT	3 048	381	
TP-GT2-3280-8MGT	3 280	410	
TP-GT2-3600-8MGT	3 600	450	
TP-GT2-4400-8MGT	4 400	550	
TP-GT2-4960-8MGT	4 960	620	

\* Other widths available on request.

### POWERGRIP™ GT2 14MGT

Description	Datum length	No. of teeth	Standard widths*
	mm		mm
TP-GT2-1610-14MGT	1 610	115	40
TP-GT2-1778-14MGT	1 778	127	55
TP-GT2-1890-14MGT	1 890	135	85
TP-GT2-2100-14MGT	2 100	150	115
TP-GT2-2310-14MGT	2 310	165	170
TP-GT2-2450-14MGT	2 450	175	
TP-GT2-2590-14MGT	2 590	185	
TP-GT2-2800-14MGT	2 800	200	
TP-GT2-3150-14MGT	3 150	225	
TP-GT2-3360-14MGT	3 360	240	
TP-GT2-3500-14MGT	3 500	250	
TP-GT2-3850-14MGT	3 850	275	
TP-GT2-4326-14MGT	4 326	309	
TP-GT2-4578-14MGT	4 578	327	
TP-GT2-4956-14MGT	4 956	354	
TP-GT2-5320-14MGT	5 320	380	
TP-GT2-5740-14MGT	5 740	410	
TP-GT2-6160-14MGT	6 160	440	
TP-GT2-6860-14MGT	6 860	490	

\* Other widths available on request.



# LONG LENGTH

## OPEN-ENDED RUBBER SYNCHRONOUS BELT



DRIVEN BY POSSIBILITY™

A comprehensive range of open-ended belts which can be easily cut into the required length. Long Length open-end synchronous belts are especially suited for linear movements (automated doors, automated moving mechanisms and lifting appliance), accurate positioning (machine tools, x-y coordinate machines) and reversal drives (computers, printers and office machines).

### CONSTRUCTION

**POWERGRIP™ GT - 2MR, 3MR, 5MR AND 8MR PITCHES**

**POWERGRIP™ HTD™ - 3M, 5M, 8M AND 14M PITCHES**

**POWERGRIP™ - MXL, XL, L AND H PITCHES**

- Fibreglass or steel cords.
- Rubber teeth and coating.
- Nylon covering.

**POLY CHAIN® GT CARBON™ 8MGT AND 14MGT**

- Carbon tensile cord.
- Polyurethane teeth and coating.
- Fabric reinforced teeth.
- On demand, available in PowerPainT™ version, to eliminate paint contamination risk (see pag. 40).
- Other roll lengths and belt widths, available on request. Please contact your customer service representative.

### BENEFITS

- High positioning accuracy, making the belt suited for applications with repetitive movements.
- High modulus cords ensure length stability.
- Easy to be mechanically connected with plates.
- Maintenance-free: no re-tensioning required, no lubrication needed.
- Unique straight cut production methodology: cord perpendicular to belt teeth.
- Temperature range: -30°C to +100°C (PowerGrip™) and -54°C to +85°C (Poly Chain®).



# LONG LENGTH

## OPEN-ENDED RUBBER SYNCHRONOUS BELT



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Sections and nominal dimensions							
POLY CHAIN® GT CARBON™							
Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length on roll (m)	Width (mm)		
8MGT*	8.00	3.40	5.90	30	12, 21, 36		
14MGT*	14.00	6.00	10.20	30	20, 37		
POWERGRIP™ GT							
Section	Pitch (mm)	Tooth height (mm)	Belt height (mm)	Length on roll (m)	Width (mm)		
					Fibreglass	Steel	
2MR*	2.00	0.71	1.52	/	3, 6, 9	/	
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™							
Section	Pitch (mm)	Tooth height (mm)	Belt height (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™							
Section	Belt pitch		Tooth height (mm)	Belt height (mm)	Length on roll (m)	Width (code)	
	(inches)	(mm)				Fibreglass	Steel
MXL*	2/25	2.032	0.51	1.14	/	019, 025, 050	/
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	12.7	2.29	4.30	30	050, 075, 100, 150, 200, 300	050, 075, 100, 150, 200, 300

Other lengths are available on request. Please consult with your sales representative.

\* Spiral cut production.

### Ordering code

5M-6-30m-ST  
 5M - Pitch 5mm  
 6 - Belt width (mm)  
 30m - Roll length (m)  
 ST - Steel (cord material)

NOTE: For correct design and tensioning of the belt please consult with the application engineering team.

### Identification

Durable white marking indicating the belt type and belt dimensions.



# LONG LENGTH

OPEN-ENDED RUBBER SYNCHRONOUS BELT



## POWERGRIP™ - MXL, XL, L AND H PITCH

Section	Pitch	Pitch	Length on roll	Width - code/mm	
	Inches	mm		Fibreglass	Steel
MXL (spiral cut)	2/25	2.032	201	019 / 4.8	/
			148	025 / 6.4	
			73	050 / 12.7	
XL	1/5	5.08	30	025 / 6.4	/
			30	031 / 7.8	
			30	037 / 9.4	
			30	050 / 12.7	
L	3/8	9.525	30	037 / 9.4	/
			30	050 / 12.7	
			30	075 / 19.1	
			30	100 / 25.4	
H	1/2	12.7	30	050 / 12.7	050 / 12.7
			30	075 / 19.1	075 / 19.1
			30	100 / 25.4	100 / 25.4
			30	150 / 38.1	150 / 38.1
			30	200 / 50.8	200 / 50.8
			30	300 / 76.2	300 / 76.2

For XL - L - H: other widths and roll lengths available on request.

## POWERGRIP™ HTD™ - 3M, 5M, 8M AND 14M PITCH

Section	Pitch	Length on roll	Width - mm	
	mm		m	Fibreglass
3M	3	30	6	/
		30	9	
		30	15	
5M	5	30	6	6
		30	10	10
		30	15	15
		30	25	25
8M	8	30	10	10
		30	15	15
		30	20	20
		30	30	30
		30	50	50
14M	14	30	85	85
		30	25	25
		30	40	40
		30	55	55
		30	85	85
		30	115	115

Other widths and roll lengths available on request.

# LONG LENGTH

## OPEN-ENDED RUBBER SYNCHRONOUS BELT



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### POWERGRIP™ GT - 2MR, 3MR, 5MR AND 8MR PITCH

Section	Pitch	Length on roll		Width - mm	
		mm	m	Fibreglass	Steel
2MR (spiral cut)	2		350	3	
			182	6	/
			119	9	
3MR	3		30	6	
			30	9	/
			30	15	
5MR	5		30	6	6
			30	10	10
			30	15	15
			30	25	25
8MR	8		30	10	10
			30	15	15
			30	20	20
			30	30	30
			30	50	50

For 3MR - 5MR - 8MR: other widths and roll lengths available on request.

### POLY CHAIN® GT CARBON™ 8MGT AND 14MGT PITCH

Section	Pitch	Length on roll		Width - mm
		mm	m	Carbon
8M	8		30	12
			30	21
			30	36
14M	14		30	20
			30	37

Other widths available on request.





**3.**

**POLYURETHANE  
BELTS**

# SYNCHRO-POWER™

ENDLESS/OPEN-END POLYURETHANE SYNCHRONOUS BELT



Gates Synchro-Power™ polyurethane belts are designed to be long lasting and provide highly 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, for a wide range of loads, speeds and applications. Polyurethane is extremely wear and stress resistant and at the same time highly flexible. They are available up to 380mm width and can easily be recognised by their blue colour.

## CONSTRUCTION

- Abrasion-resistant polyurethane body offers clean running systems, avoiding debris accumulation.
- **Synchro-Power™ endless belts and sleeves** for power transmission are manufactured as jointless endless synchronous belts. Datum lengths available up to 2 250mm.
- Standard product suited for use at temperatures ranging from -5°C up to +70°C. For applications outside this range, please consult your Gates representative.

## BENEFITS

- Exceptional rigidity, reduced tooth bending and exceptional stability in the overall system.
- Wide range of tooth profiles for all application requirements.
- Clean, quiet and smooth-running operation.
- No lubrication required.
- Broad application range: automatic assembly operations, horizontal and vertical doors, printing field applications, conveying equipment, textile industry, packaging machinery ... and many more.



### Ordering code: Endless Synchro-Power™

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

### Identification

Permanent white marking indicating the belt type and dimensions



# T2,5 - SYNCHRO-POWER SLEEVES

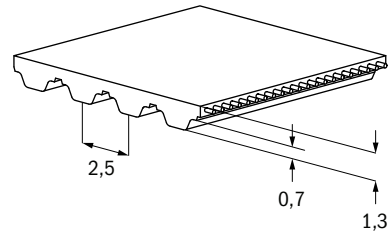


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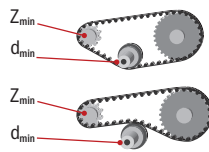
## T2,5 / PITCH: 2.5MM

### PRODUCT SPECIFICATIONS

PITCH	2.5mm
THICKNESS	1.3mm
POLYURETHANE TYPE	84°ShoreA
COLOUR	Blue
FDA APPROVAL	No



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
<b>z min</b>	10	10
<b>d min</b>	7.96	7.96
<b>z min</b>	10	10
<b>d min</b>	15	15

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	4	6	8	10	12	16	20	25	32	50
<b>ULTIMATE TENSILE STRENGTH</b>											
Steel	[N]	340	540	740	1,000	1,200	1,680	2,080	2,680	3,400	5,400
Aramid	[N]	500	800	1,095	1,500	1,800	2,500	3,100	4,000	5,100	8,100
<b>ALLOWABLE TENSILE STRENGTH</b>											
Steel	[N]	85	135	180	250	300	420	520	670	850	1,350
Aramid	[N]	100	160	220	300	360	500	620	800	1,020	1,620
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>											
	[N]	32	48	64	80	96	128	160	200	256	400
<b>WEIGHT</b>											
Steel	[kg/m]	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.07
Aramid	[kg/m]	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.05

## T2,5 / PITCH: 2.5MM

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
120	200	48
145	200	58
160	200	64
177.5	200	71
180	200	72
200	200	80
210	200	84
230	200	92
245	200	98
265	200	106
277.5	200	111
285	200	114
290	200	116
305	200	122

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
317.5	200	127
330	380	132
342.5	380	137
380	380	152
420	380	168
480	380	192
500	380	200
540	380	216
600	380	240
620	380	248
650	380	260
780	380	312
915	380	366
950	380	380

# T5 - SYNCHRO-POWER SLEEVES



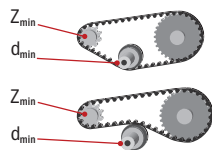
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## T5 / PITCH: 5MM

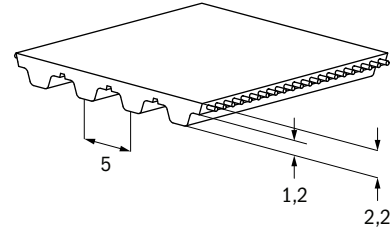
### PRODUCT SPECIFICATIONS

PITCH	5 mm
THICKNESS	2.2 mm
THICKNESS DL	3.4 mm
POLYURETHANE TYPE	84°ShoreA
COLOUR	Blue
FDA APPROVAL	No

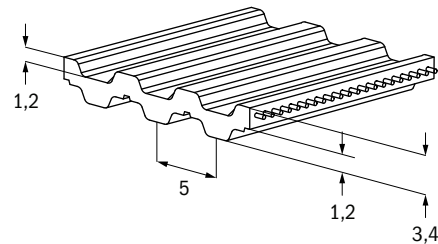
### PULLEY DIAMETER MIN:



	STEEL
z min	10
d min	15.92
z min	10
d min	30



T5 Tooth Form



T5-DL Tooth Form

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	4	6	8	10	12	16	20	25	32	50	75
<b>ULTIMATE TENSILE STRENGTH</b>												
Steel	[N]	570	880	1,180	1,500	1,880	2,640	3,360	4,240	5,500	8,600	13,200
Aramid	[N]	820	1,250	1,685	2,150	2,700	3,750	4,850	6,100	7,900	12,400	18,900
<b>ALLOWABLE TENSILE STRENGTH</b>												
Steel	[N]	135	220	295	375	470	660	840	1,060	1,375	2,150	3,300
Aramid	[N]	155	250	330	430	540	750	970	1,220	1,580	2,480	3,780
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>												
	[N]	100	150	200	250	300	400	500	625	800	1,250	1,875
<b>WEIGHT</b>												
Steel	[kg/m]	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.05	0.07	0.11	0.16
Aramid	[kg/m]	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.05	0.08	0.12
Steel DL	[kg/m]	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.13	0.19
Aramid DL	[kg/m]	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.05	0.06	0.10	0.15



# T5 - SYNCHRO-POWER SLEEVES



DRIVEN BY POSSIBILITY™

## T5

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
165	200	33
185	200	37
200	200	40
215	200	43
220	200	44
225	200	45
245	200	49
250	200	50
255	200	51
260	200	52
270	200	54
275	200	55
280	200	56
295	200	59
300	200	60
305	200	61
320	200	64
325	380	65
330	380	66
340	380	68
350	380	70
355	380	71
365	380	73
375	380	75
390	380	78
400	380	80
410	380	82
420	380	84
425	380	85
430	380	86
440	380	88
445	380	89
450	380	90
455	380	91
460	380	92
475	380	95
480	380	96
500	380	100

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
510	380	102
525	380	105
545	380	109
550	380	110
560	380	112
575	380	115
590	380	118
600	380	120
610	380	122
620	380	124
625	380	125
630	380	126
640	380	128
650	380	130
660	380	132
675	380	135
690	380	138
700	380	140
720	380	144
725	380	145
750	380	150
780	380	156
800	380	160
815	380	163
840	380	168
850	380	170
900	380	180
940	380	188
990	380	198
1000	380	200
1075	380	215
1100	380	220
1215	380	243
1315	380	263
1350	380	270
1380	380	276
1440	380	288

## DL T5 DUAL

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
300	200	60
400	380	80
410	380	82
450	380	90
460	380	92
480	380	96
500	380	100
515	380	103
550	380	110
590	380	118
600	380	120
620	380	124
650	380	130
700	380	140
750	380	150
815	380	163
900	380	180
940	380	188
1100	380	220

# T10 - SYNCHRO-POWER SLEEVES

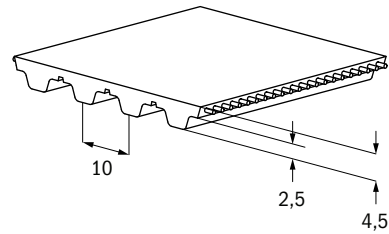


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## T10 / PITCH: 10MM

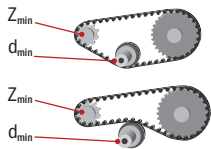
### PRODUCT SPECIFICATIONS

PITCH	10 mm
THICKNESS	4.5 mm
THICKNESS DL	7.0 mm
POLYURETHANE TYPE	84°ShoreA
COLOUR	Blue
FDA APPROVAL	No

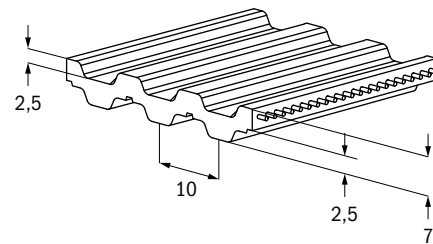


T10 Tooth Form

### PULLEY DIAMETER MIN:



	STEEL	ARAMID
z min	12	12
d min	38.2	38.2
z min	12	12
d min	60	60



T10-DL Tooth Form

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	12	16	20	25	32	50	75
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	3,360	4,200	5,900	7,600	9,700	12,600	20,200	30,700
Aramid	[N]	4,000	5,000	7,000	9,000	11,500	15,000	24,000	36,500
<b>ALLOWABLE TENSILE STRENGTH</b>									
Steel	[N]	840	1,050	1,475	1,900	2,425	3,150	5,050	7,675
Aramid	[N]	800	1,000	1,400	1,800	2,300	3,000	4,800	7,300
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	569	683	911	1,138	1,423	1,821	2,846	4,269
<b>WEIGHT</b>									
Steel	[kg/m]	0.04	0.05	0.07	0.09	0.11	0.14	0.23	0.34
Aramid	[kg/m]	0.03	0.04	0.05	0.06	0.08	0.10	0.16	0.24
Steel DL	[kg/m]	0.06	0.07	0.09	0.11	0.14	0.18	0.29	0.44
Aramid DL	[kg/m]	0.04	0.05	0.07	0.09	0.11	0.14	0.23	0.34



# T10 - SYNCHRO-POWER SLEEVES



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## T10

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
260	200	26
320	200	32
370	380	37
400	380	40
410	380	41
440	380	44
450	380	45
500	380	50
530	380	53
550	380	55
560	380	56
600	380	60
610	380	61
630	380	63
650	380	65
660	380	66
690	380	69
700	380	70
720	380	72
750	380	75
780	380	78
800	380	80
810	380	81
840	380	84
850	380	85
880	380	88
890	380	89
900	380	90
910	380	91
920	380	92
950	380	95
960	380	96
970	380	97

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
980	380	98
1000	380	100
1010	380	101
1050	380	105
1080	380	108
1100	380	110
1110	380	111
1140	380	114
1150	380	115
1200	380	120
1210	380	121
1240	380	124
1250	380	125
1300	380	130
1320	380	132
1350	380	135
1390	380	139
1400	380	140
1420	380	142
1440	380	144
1450	380	145
1460	380	146
1500	380	150
1560	380	156
1600	200	160
1610	200	161
1700	200	170
1750	200	175
1780	200	178
1800	200	180
1880	200	188
1960	200	196
2250	200	225

## DL T10 DUAL

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
600	380	60
630	380	63
660	380	66
700	380	70
750	380	75
800	380	80
840	380	84
900	380	90
980	380	98
1000	380	100
1100	380	110
1200	380	120
1210	380	121
1300	380	130
1320	380	132
1420	380	142
1600	200	160
1610	200	161
1700	200	170
1880	200	188

# AT5 - SYNCHRO-POWER SLEEVES

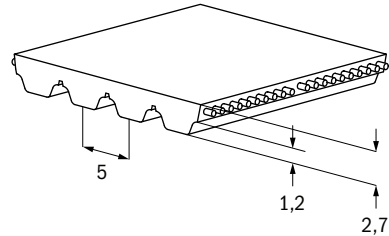


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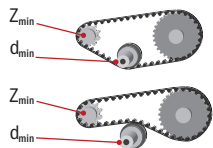
## AT5 / PITCH: 5MM

### PRODUCT SPECIFICATIONS

PITCH	5 mm
THICKNESS	2.7 mm
POLYURETHANE TYPE	84°ShoreA
COLOUR	Blue
FDA APPROVAL	No



### PULLEY DIAMETER MIN:



	STEEL
z min	15
d min	23.87
z min	15
d min	50

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	4	6	8	10	12	16	20	25	32	50	75
<b>ULTIMATE TENSILE STRENGTH</b>												
Steel	[N]	723	1,420	2,065	2,860	3,700	5,100	6,560	8,300	10,800	17,100	26,400
Aramid	[N]	823	1,250	1,690	2,150	2,700	3,775	4,850	6,100	7,900	12,400	18,900
<b>ALLOWABLE TENSILE STRENGTH</b>												
Steel	[N]	181	355	516	715	925	1,275	1,640	2,075	2,700	4,275	6,550
Aramid	[N]	157	250	334	430	540	755	970	1,220	1,580	2,480	3,780
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>												
	[N]	160	240	320	400	480	640	800	1,000	1,280	2,000	3,000
<b>WEIGHT</b>												
Steel	[kg/m]	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.17	0.25
Aramid	[kg/m]	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.06	0.07	0.12	0.18

## AT5 / PITCH: 5MM

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
225	200	45
280	200	56
300	200	60
340	380	68
375	380	75
390	380	78
420	380	84
450	380	90
455	380	91
500	380	100
545	380	109
600	380	120

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
610	380	122
660	380	132
710	380	142
720	380	144
750	380	150
780	380	156
825	380	165
860	380	172
975	380	195
1050	380	210
1500	380	300



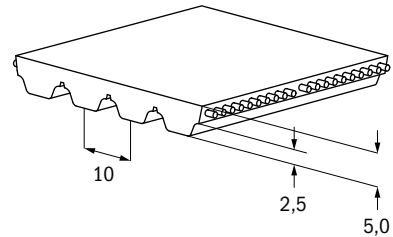


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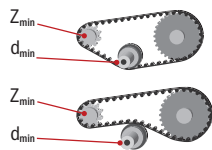
## AT10 / PITCH: 10MM

### PRODUCT SPECIFICATIONS

PITCH	10 mm
THICKNESS	5.0 mm
POLYURETHANE TYPE	84°ShoreA
COLOUR	Blue
FDA APPROVAL	No



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
$z_{min}$	15	15
$d_{min}$	47.75	47.75
$z_{min}$	15	15
$d_{min}$	120	120

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	12	16	20	25	32	50	75
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	4,760	5,700	8,560	10,500	14,300	18,100	29,500	45,600
Aramid	[N]	5,500	6,600	9,900	12,100	16,500	20,900	34,100	52,800
<b>ALLOWABLE TENSILE STRENGTH</b>									
Steel	[N]	1,190	1,425	2,140	2,625	3,575	4,525	7,375	11,450
Aramid	[N]	1,100	1,320	1,980	2,420	3,300	4,180	6,820	10,560
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	890	1,068	1,424	1,780	2,225	2,848	4,450	6,675
<b>WEIGHT</b>									
Steel	[kg/m]	0.07	0.08	0.10	0.13	0.16	0.21	0.33	0.49
Aramid	[kg/m]	0.04	0.05	0.07	0.09	0.11	0.14	0.22	0.33

## AT10 / PITCH: 10MM

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
500	380	50
560	380	56
610	380	61
660	380	66
700	380	70
730	380	73
780	380	78
800	380	80
840	380	84
890	380	89
920	380	92
960	380	96

LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
980	380	98
1,010	380	101
1,050	380	105
1,080	380	108
1,100	380	110
1,150	380	115
1,200	380	120
1,210	380	121
1,250	380	125
1,280	380	128
1,320	380	132
1,350	380	135

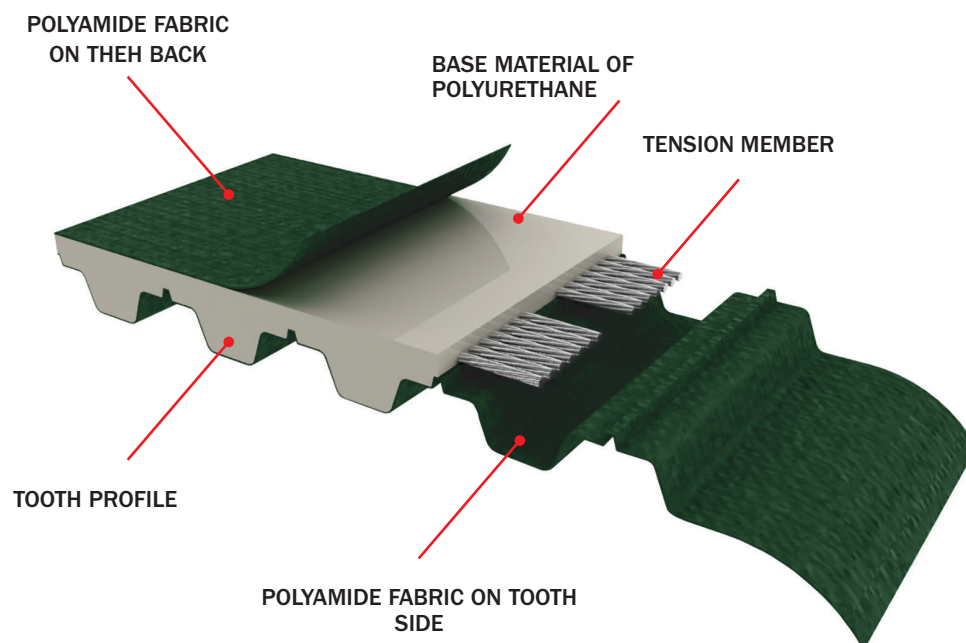
LENGTH [MM]	WIDTH [MM]	NUMBER OF TEETH
1,360	380	136
1,400	380	140
1,420	380	142
1,480	380	148
1,500	380	150
1,600	200	160
1,700	200	170
1,800	200	180
1,860	200	186
1,940	200	194



# OPEN-END POLYURETHANE BELTS

**OUR PRODUCT QUALITY IS REVEALED IN THE DETAILS.  
TOLERANCES AND PERFECT TOOTH ENGAGEMENT ARE GUARANTEED.**

Our Polyurethane Belts are made from high quality, abrasion-resistant polyurethane in combination with high strength steel or aramid cords. Almost every extruded belt type can be additionally customized by special machining or by adding different coatings or profiles.



## ATTRIBUTES

- Low-maintenance polyurethane construction.
- High tensile strength
- Abrasion and UV resistant
- Low pre-tension
- Excellent durability vs. moisture

## CHEMICAL ATTRIBUTES

- Long-lasting
- High chemical resistance
- High durability vs. detergent
- Excellent durability vs. oil and fat
- Durability vs. acids and bases



# TOOTH PROFILES



## PITCH IN INCHES

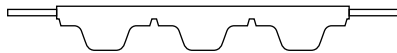
PITCH: XL / L / H / XH

According to DIN ISO 5296

Attributes: Low tooth profiles with large surface area

Applications:

- Low to medium load conveying



## T TOOTH PROFILE

PITCH: T2.5 / T5 / T10 / T20

According to ISO 17396

Developed to enable higher load-carrying capacity combined with lower backlash

Applications:

- Low to medium load conveying



## AT TOOTH PROFILE

PITCH: AT5 / AT10 / AT20

According to ISO 17396

Higher tooth strength for improved performance

Applications:

- Linear
- Power transmission
- Medium to high load conveying



## HTD TOOTH PROFILE

PITCH: HTD5 / HTD8 / HTD14

According to ISO 13050

Even tension distribution and load transmission, wear-resistance and reduced noise levels

Applications:

- Linear /
- Power transmission



## POLYURETHANE TYPE

POLYURETHANE	BELTS	HARDNESS	TEMP RANGE
<b>POLYURETHANE FOR STANDARD APPLICATIONS</b>			
R1	Linear, Flat & Wide	92° Shore A	-5 to +70°C
R2	Linear, Flat & Wide	85° Shore A	-10 to +60°C
R3	Sleeve	84° Shore A	-25 to +75°C
R23	Flex Belt	90° Shore A	-5 to +70°C
<b>POLYURETHANE FOR LOW TEMPERATURE APPLICATIONS</b>			
R23T	Linear, Flat & Wide	90° Shore A	-30 to +60°C
<b>POLYURETHANE FOR FOOD-GRADE APPLICATIONS</b>			
FDA	Linear, Flat & Wide	85° Shore A	-10 to +60°C

## CORDS

ID	DESCRIPTION
SL	Steel
HF	Highly flexible steel
RSL	Reinforced steel
RHF	Highly flexible reinforced steel
NIRO	Stainless steel
KV	Aramid
RKV	Reinforced aramid

## POLYAMIDE

NT	Polyamide layer on the tooth side
NB	Polyamide layer on the back
NTB	Polyamide layer on tooth and back
AS	Antistatic Polyamide layer on tooth and back

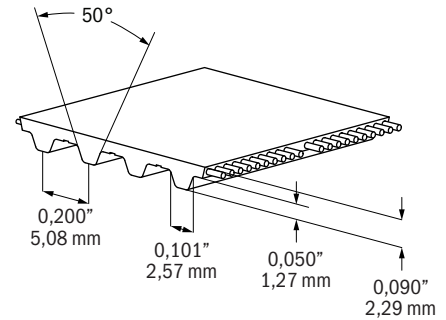


# XL

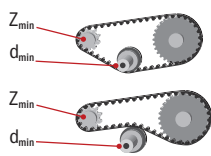
## XL / PITCH: 1/ 5" / 5.08MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	0.200" / 5.08 mm
<b>THICKNESS</b>	0.090" / 2.29 mm
<b>WIDTH TOLERANCE</b>	
< 2" / 50 MM	+/-0.020" / +/-0.5 mm
> 2" / 50 MM	+/-0.030" / +/-0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### MIN PULLEY DIAMETER:



	STEEL	ARAMID
<b>z min</b>	10	10
<b>d min</b>	0.64" / 16.25 mm	0.64" / 16.25 mm
<b>z min</b>	15	15
<b>d min</b>	1.125" / 28.6 mm	1.125" / 28.6 mm

### MIN PULLEY DIAMETER:

POLYURETHANE	HARDNESS [°SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
FDA	85	-10 to +60	With aramid cords

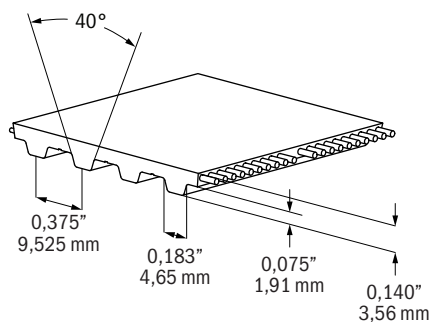
### TECHNICAL DATA

STANDARD WIDTH ("/MM)	UNIT OF MEASUREMENT	0.25"/ 6.35MM	0.31"/ 7.874MM	0.38"/ 9.65MM	0.50"/ 12.7MM	0.75"/ 19.05MM	1"/ 25.4MM	2"/ 50.8MM	4"/ 101.6MM
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	750	875	1,125	1,625	2,500	3,375	6,875	13,875
Aramid	[N]	976	1,238	1,525	2,074	3,172	4,270	8,662	17,446
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	190	221	284	411	632	853	1,738	3,509
Aramid	[N]	213	270	332	452	691	930	1,887	3,800
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	95	111	142	205	316	427	869	1,754
Aramid	[N]	159	202	249	339	518	698	1,415	2,850
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	157	194	235	314	470	627	1,254	2,508
<b>WEIGHT</b>									
Steel	[kg/m]	0.01	0.02	0.02	0.03	0.04	0.06	0.11	0.22
Aramid	[kg/m]	0.01	0.01	0.02	0.02	0.04	0.05	0.10	0.19

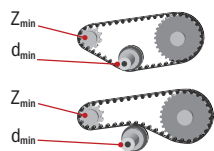
## L / PITCH: 3/ 8" / 9,525MM

### PRODUCT SPECIFICATIONS

PITCH	0.375" / 9.525 mm
THICKNESS	0.140" / 3.56 mm
WIDTH TOLERANCE	
< 2" / 50 MM	+/-0.020" / +/-0.5 mm
> 2" / 50 MM	+/-0.030" / +/-0.75 mm
ROLL LENGTH	100 m
COLOUR	White
FDA APPROVAL	Optional
POLYAMIDE	Optional NT, NB & NTB



### MIN PULLEY DIAMETER:



	STEEL	ARAMID
<b>z min</b>	10	10
<b>d min</b>	1.19" / 30.25 mm	1.19" / 30.25 mm
<b>z min</b>	14	14
<b>d min</b>	2.375" / 60.3 mm	2.375" / 60.3 mm

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH ("/MM)	UNIT OF MEASUREMENT	0.38"/ 9.65MM	0.50"/ 12.7MM	0.75"/ 19.05MM	1"/ 25.4MM	1.5"/ 38.1MM	2"/ 50.8MM	4"/ 101.6MM
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	2,280	3,135	4,845	6,555	9,975	13,395	27,075
Aramid	[N]	2,672	3,674	5,678	7,682	11,690	15,698	31,730
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	574	790	1,221	1,652	2,513	3,375	6,821
Aramid	[N]	428	588	909	1,229	1,871	2,512	5,078
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>								
Steel	[N]	287	395	610	826	1,257	1,687	3,411
Aramid	[N]	321	441	681	922	1,403	1,884	3,808
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	505	674	1,010	1,347	2,021	2,694	5,388
<b>WEIGHT</b>								
Steel	[kg/m]	0.03	0.04	0.06	0.08	0.11	0.15	0.30
Aramid	[kg/m]	0.03	0.04	0.06	0.08	0.11	0.15	0.30

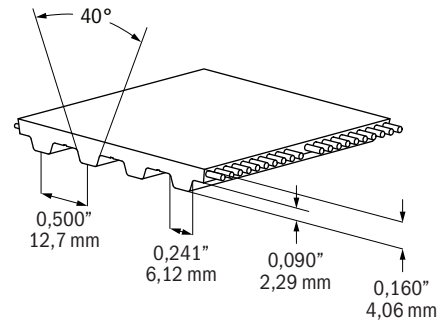


# H

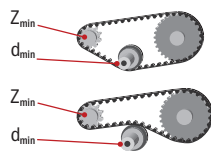
## H / PITCH: 0.50" / 12.7MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	0.500" / 12.7 mm
<b>THICKNESS</b>	0.16" / 4.06 mm
<b>WIDTH TOLERANCE</b>	
< 2" / 50 MM WIDTH	+/-0.020" / +/-0.5 mm
> 2" / 50 MM WIDTH	+/-0.030" / +/-0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### MIN PULLEY DIAMETER:



	STEEL	ARAMID	STEEL HF
<b>z min</b>	14	14	12
<b>d min</b>	2.23" / 56.6 mm	2.23" / 56.6 mm	1.91" / 48.5 mm
<b>z min</b>	20	20	15
<b>d min</b>	3.15" / 80 mm	3.15" / 80 mm	2.36" / 60 mm

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

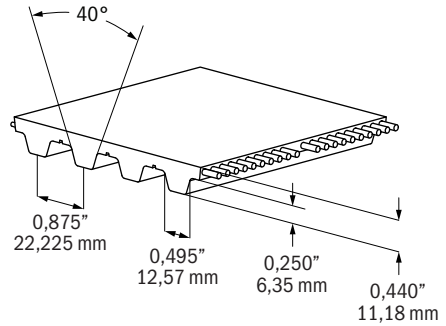
STANDARD WIDTH ("/MM)	UNIT OF MEASUREMENT	0.50" / 12.7MM	0.75" / 19.05MM	1" / 25.4MM	1.5" / 38.1MM	2" / 50.8MM	3" / 76.2MM	4" / 101.6MM	6" / 152.4MM
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	3,360	5,040	7,140	10,920	14,700	22,260	29,820	44,940
Aramid	[N]	3,773	5,929	8,085	12,397	16,709	25,333	33,957	51,205
Steel HF	[N]	4,960	7,440	10,540	16,120	21,700	32,860	44,020	66,340
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	912	1,369	1,939	2,966	3,992	6,045	8,098	12,205
Aramid	[N]	504	792	1,081	1,657	2,233	3,386	4,538	6,843
Steel HF	[N]	1,119	1,678	2,377	3,636	4,895	7,412	9,929	14,964
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	456	684	970	1,483	1,996	3,023	4,049	6,102
Aramid	[N]	378	594	810	1,243	1,675	2,539	3,404	5,132
Steel HF	[N]	559	839	1,189	1,818	2,447	3,706	4,965	7,482
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	825	1,238	1,650	2,475	3,300	4,950	6,600	9,900
<b>WEIGHT</b>									
Steel	[kg/m]	0.05	0.08	0.10	0.15	0.20	0.30	0.40	0.61
Aramid	[kg/m]	0.04	0.06	0.08	0.12	0.16	0.24	0.33	0.49
Steel HF	[kg/m]	0.05	0.08	0.11	0.16	0.22	0.33	0.44	0.66



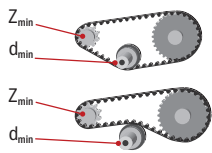
## XH / PITCH: 0.875" / 22,225MM

### PRODUCT SPECIFICATIONS

PITCH	22.225 mm
THICKNESS	11.18 mm
WIDTH	+/- 1.00 mm
ROLL LENGTH	50 m
COLOUR	White
FDA APPROVAL	Optional
POLYAMIDE	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
<b>z min</b>	18	18
<b>d min</b>	5.01" / 127.75 mm	5.01" / 127.75 mm
<b>z min</b>	20	20
<b>d min</b>	5.875" / 149.2 mm	5.875" / 149.2 mm

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH ("/MM)	UNIT OF MEASUREMENT	1" / 25.4MM	1.5" / 38.1MM	2" / 50.8MM	3" / 76.2MM	4" / 101.6MM	6" / 152.4MM
<b>ULTIMATE TENSILE STRENGTH</b>							
Steel	[N]	14,250	21,850	29,450	44,650	59,850	90,250
Aramid	[N]	16,185	24,817	33,449	50,713	67,977	102,505
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>							
Steel	[N]	3,801	5,828	7,855	11,909	15,964	24,072
Aramid	[N]	1,778	2,726	3,675	5,571	7,468	11,261
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>							
Steel	[N]	1,900	2,914	3,928	5,955	7,982	12,036
Aramid	[N]	1,134	2,045	2,756	4,178	5,601	8,446
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>							
	[N]	3,285	4,928	6,570	9,855	13,140	19,710
<b>WEIGHT</b>							
Steel	[kg/m]	0.27	0.40	0.54	0.81	1.08	1.62
Aramid	[kg/m]	0.23	0.35	0.46	0.69	0.92	1.39



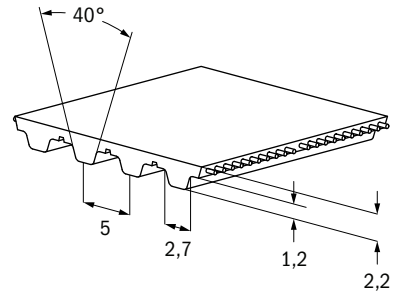


# T5

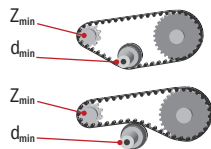
## T5 / PITCH: 5MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	5 mm
<b>THICKNESS</b>	2.2 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+0.5 mm
> 50MM WIDTH	+0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
<b>z min</b>	10	10
<b>d min</b>	30	30
<b>z min</b>	15	15
<b>d min</b>	30	30

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	16	25	32	50	75	100
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	1,250	2,000	3,375	4,250	6,875	10,375	13,875
Aramid	[N]	3,162	5,245	8,370	10,800	17,050	25,730	34,410
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	311	498	840	1,058	1,711	2,582	3,453
Aramid	[N]	346	574	916	1,181	1,865	2,814	3,764
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>								
Steel	[N]	156	249	420	529	856	1,291	1,727
Aramid	[N]	259	430	687	886	1,399	2,111	2,823
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	250	400	625	800	1,250	1,875	2,500
<b>WEIGHT</b>								
Steel	[kg/m]	0.02	0.04	0.06	0.07	0.11	0.16	0.22
Aramid	[kg/m]	0.02	0.03	0.05	0.06	0.10	0.15	0.20

# WRT5

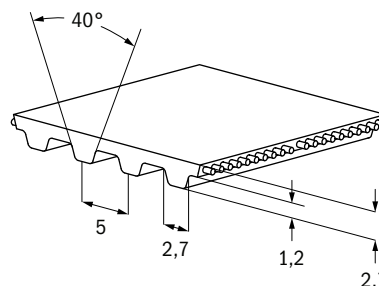
## ENCAPSULATED CORD



### WR5 / PITCH: 5MM

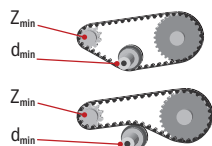
#### PRODUCT SPECIFICATIONS

PITCH	5 mm
THICKNESS	2.7 mm
WIDTH TOLERANCE	
< 50MM WIDTH	+/-0.50 mm
> 50MM WIDTH	+/-0.75 mm
ROLL LENGTH	100 m
COLOUR	Blue, White
FDA APPROVAL	Optional
POLYAMIDE	No



With fully encapsulated cord  
for outdoor use

#### PULLEY DIAMETER MIN:



	STEEL	ARAMID
z min	10	10
d min	30	30
z min	15	15
d min	30	30

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
RI	92	-5 to +70	Standard
FDA	85	-10 to +60	With aramid cords

#### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	16	25	32	50	75	100
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	1,250	2,000	3,375	4,250	6,875	10,375	13,875
Aramid	[N]	3,162	5,245	8,670	10,800	17,050	25,730	34,410
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	311	498	840	1,058	1,711	2,582	3,453
Aramid	[N]	346	574	916	1,181	1,865	2,814	3,764
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>								
Steel	[N]	156	249	420	529	856	1,291	1,727
Aramid	[N]	259	430	687	886	1,399	2,111	2,823
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	250	400	625	800	1,250	1,875	2,500
<b>WEIGHT</b>								
Steel	[kg/m]	0.02	0.04	0.06	0.07	0.11	0.17	0.22
Aramid	[kg/m]	0.02	0.03	0.05	0.06	0.10	0.15	0.20

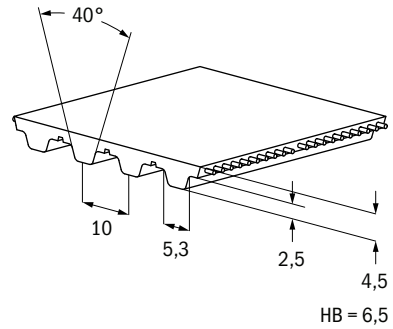


# T10

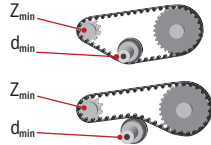
## T10 / PITCH: 10MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	10 mm
<b>THICKNESS</b>	
T10	4.5 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/-0.5 mm
> 50MM WIDTH	+/-0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB
<b>ANTISTATIC NYLON</b>	Optional



### MIN PULLEY SIZE:



	STEEL	ARAMID	STEEL HF
<b>z min</b>	14	14	12
<b>d min</b>	45	45	38
<b>z min</b>	20	20	15
<b>d min</b>	80	80	60

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

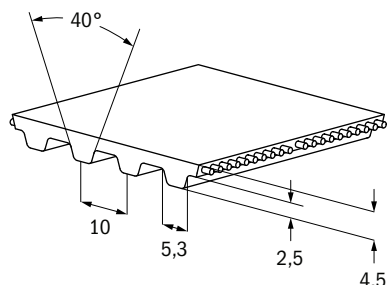
STANDARD WIDTH (MM)	UNIT	12	16	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	2,940	4,200	7,140	9,240	14,700	22,260	29,820	44,940
Aramid	[N]	3,601	4,980	8,085	10,500	16,709	25,333	33,957	51,205
Steel HF	[N]	4,340	6,200	10,540	13,640	21,700	32,860	44,020	66,340
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	786	1,123	1,909	2,470	3,929	5,950	7,971	12,012
Aramid	[N]	474	655	1,064	1,381	2,198	3,332	4,467	6,736
Steel HF	[N]	964	1,376	2,340	3,028	4,818	7,295	9,773	14,728
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	393	561	954	1,235	1,965	2,975	3,985	6,006
Aramid	[N]	355	491	798	1,036	1,648	2,499	3,350	5,052
Steel HF	[N]	482	688	1,170	1,514	2,409	3,648	4,886	7,364
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	683	910	1,423	1,821	2,845	4,268	5,690	8,535
<b>WEIGHT</b>									
Steel	[kg/m]	0.05	0.07	0.11	0.14	0.22	0.33	0.44	0.66
Aramid	[kg/m]	0.04	0.06	0.09	0.12	0.18	0.27	0.36	0.54
Steel HF	[kg/m]	0.06	0.08	0.12	0.15	0.24	0.35	0.47	0.71
HB Steel	[kg/m]	0.08	0.11	0.17	0.21	0.34	0.50	0.67	1.01
HB Aramid	[kg/m]	0.07	0.10	0.15	0.19	0.30	0.44	0.59	0.89
HB Steel HF	[kg/m]	0.09	0.12	0.18	0.22	0.36	0.52	0.70	1.06



## WRT10 / PITCH: 10MM

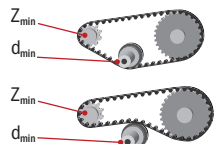
### PRODUCT SPECIFICATIONS

PITCH	10 mm
THICKNESS	4.5 mm
WIDTH TOLERANCE	
< 50MM WIDTH	+/-0.50 mm
> 50MM WIDTH	+/-0.75 mm
ROLL LENGTH	100 m
COLOUR	Blue, White
FDA APPROVAL	Optional
POLYAMIDE	No



With fully encapsulated cord  
for outdoor use

### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF
z min	14	14	12
d min	45	45	38
z min	18	18	15
d min	80	80	60

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
RI	92	-5 to +70	Standard
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD LENGTH (MM)	UNIT OF MEASUREMENT	12	16	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	2,940	4,200	7,140	9,240	14,700	22,260	29,820	44,940
Aramid	[N]	3,601	4,980	8,085	10,500	16,709	25,333	33,957	51,205
Steel HF	[N]	4,340	6,200	10,540	13,640	21,700	32,860	44,020	66,340
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	786	1,123	1,909	2,470	3,929	5,950	7,971	12,012
Aramid	[N]	474	655	1,064	1,381	2,198	3,332	4,467	6,736
Steel HF	[N]	964	1,376	2,340	3,028	4,818	7,295	9,773	14,728
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	393	561	954	1,235	1,965	2,975	3,985	6,006
Aramid	[N]	355	491	798	1,036	1,648	2,499	3,350	5,052
Steel HF	[N]	482	688	1,170	1,214	2,409	3,648	4,886	7,364
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	683	910	1,423	1,821	2,845	4,268	5,690	8,535
<b>WEIGHT</b>									
Steel	[kg/m]	0.05	0.06	0.09	0.11	0.18	0.27	0.36	0.54
Aramid	[kg/m]	0.04	0.06	0.09	0.11	0.18	0.27	0.36	0.54
Steel HF	[kg/m]	0.05	0.07	0.11	0.15	0.23	0.35	0.47	0.70

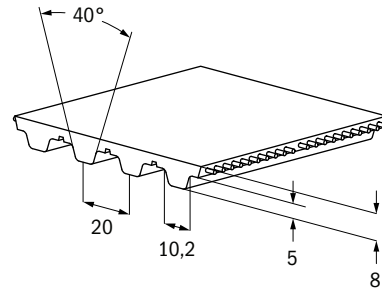


# T20

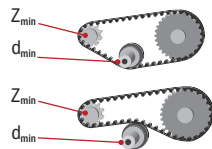
## T20 / PITCH: 20MM

### PRODUCT SPECIFICATIONS

PITCH	20 mm
THICKNESS	8.0 mm
WIDTH	+/- 1.0 mm
ROLL LENGTH	50 m
COLOUR	White
FDA APPROVAL	Optional
POLYAMIDE	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF	STAINLESS STEEL
z min	15	15	12	20
d min	120	120	110	130
z min	25	25	21	30
d min	120	120	120	180

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

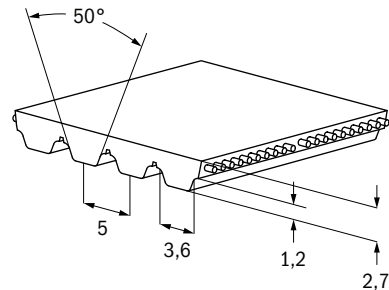
STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>							
Steel	[N]	14,250	18,050	29,450	44,650	59,850	90,250
Aramid	[N]	16,185	21,019	33,449	50,713	67,977	102,505
Steel HF	[N]	12,975	16,435	26,815	40,655	54,495	82,175
Stainless steel	[N]	10,688	13,538	22,088	33,488	44,888	67,688
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>							
Steel	[N]	3,741	4,739	7,731	11,722	15,712	23,693
Aramid	[N]	1,675	2,175	3,461	5,247	7,033	10,606
Steel HF	[N]	3,456	4,378	7,142	10,829	14,515	21,888
Stainless steel	[N]	2,806	3,554	5,799	8,791	11,784	17,770
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>							
Steel	[N]	1,871	2,369	3,866	5,861	7,856	11,847
Aramid	[N]	1,256	1,631	2,596	3,935	5,275	7,954
Steel HF	[N]	1,728	2,189	3,571	5,414	7,258	10,944
Stainless steel	[N]	1,403	1,777	2,899	4,396	5,892	8,885
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>							
	[N]	3,075	3,936	6,150	9,225	12,300	18,450
<b>WEIGHT</b>							
Steel	[kg/m]	0.19	0.24	0.37	0.56	0.75	1.12
Aramid	[kg/m]	0.18	0.23	0.36	0.54	0.72	1.08
Steel HF	[kg/m]	0.15	0.19	0.30	0.44	0.59	0.89
Stainless steel	[kg/m]	0.19	0.24	0.37	0.56	0.74	1.11



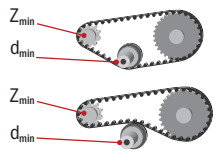
## AT5 / PITCH: 5MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	5 mm
<b>THICKNESS</b>	2.7 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+0.5 mm
> 50MM WIDTH	+0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
<b>z min</b>	18	18
<b>d min</b>	29	29
<b>z min</b>	25	25
<b>d min</b>	60	60

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	16	25	32	50	75	100
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	2,565	4,275	7,125	9,120	14,535	21,945	29,355
Aramid	[N]	3,140	5,224	8,350	10,782	17,034	25,718	34,402
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	634	1,056	1,761	2,253	3,591	5,422	7,253
Aramid	[N]	455	757	1,210	1,562	2,468	3,727	4,985
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>								
Steel	[N]	317	528	880	1,127	1,796	2,711	3,627
Aramid	[N]	341	568	908	1,172	1,851	2,795	3,739
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	480	768	1,200	1,536	2,400	3,600	4,800
<b>WEIGHT</b>								
Steel	[kg/m]	0.03	0.05	0.08	0.11	0.17	0.25	0.33
Aramid	[kg/m]	0.03	0.04	0.07	0.09	0.14	0.20	0.27

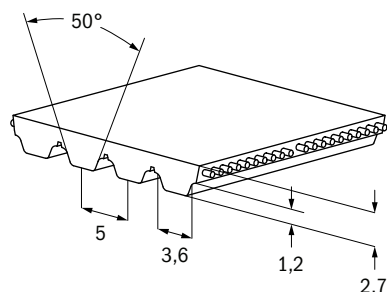


# ATL5 WITH REINFORCED CORD

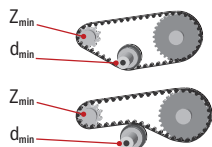
## ATL5 / PITCH: 5MM

### PRODUCT SPECIFICATIONS

PITCH	5 mm
THICKNESS	2.7 mm
WIDTH TOLERANCE	
< 50MM WIDTH	+0.5 mm
> 50MM WIDTH	+0.75 mm
ROLL LENGTH	100 m
COLOUR	White
FDA APPROVAL	No
POLYAMIDE	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL
z min	15
d min	40
z min	15
d min	60

### With reinforced cord

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

### TECHNICAL DATA

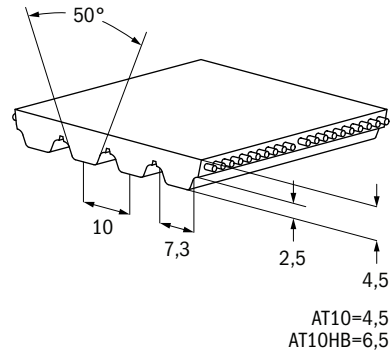
STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	16	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	3,720	6,200	10,540	13,640	21,700	32,860	44,020	66,340
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	826	1,376	2,340	3,028	4,818	7,295	9,773	14,728
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	413	688	1,170	1,514	2,409	3,648	4,886	7,364
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	480	768	1,200	1,536	2,400	3,600	4,800	7,200
<b>WEIGHT</b>									
Steel	[kg/m]	0.03	0.05	0.07	0.09	0.14	0.21	0.28	0.42



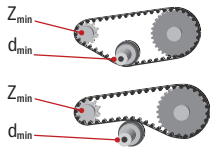
## AT10 / PITCH: 10MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	10 mm
<b>THICKNESS</b>	
AT10	4.5 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/-0.75 mm
> 50MM WIDTH	+/-1.00 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF	STAINLESS STEEL
<b>z min</b>	15	15	12	20
<b>d min</b>	50	50	40	130
<b>z min</b>	25	25	20	30
<b>d min</b>	120	120	100	160

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	16	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	8,550	14,250	18,050	29,450	44,650	59,850	90,250
Aramid	[N]	9,970	16,185	21,019	33,449	50,713	67,977	102,505
Steel HF	[N]	7,785	12,975	16,435	26,815	40,655	54,495	82,175
Stainless steel	[N]	6,413	10,688	13,538	22,088	33,488	44,888	67,688
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	2,245	3,741	4,739	7,731	11,722	15,712	23,693
Aramid	[N]	1,032	1,675	2,175	3,461	5,247	7,033	10,606
Steel HF	[N]	1,944	3,240	4,104	6,696	10,152	13,608	20,520
Stainless steel	[N]	1,683	2,806	3,554	5,799	8,791	11,784	17,770
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>								
Steel	[N]	1,122	1,871	2,369	3,866	5,861	7,856	11,847
Aramid	[N]	774	1,256	1,631	2,596	3,935	5,275	7,954
Steel HF	[N]	972	1,620	2,052	3,348	5,076	6,804	10,260
Stainless Steel	[N]	842	1,403	1,777	2,899	4,396	5,892	8,885
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	1,651	2,580	3,302	5,160	7,740	10,320	15,480
<b>WEIGHT</b>								
Steel	[kg/m]	0.09	0.14	0.18	0.29	0.43	0.57	0.86
Aramid	[kg/m]	0.07	0.11	0.13	0.21	0.32	0.42	0.63
Steel HF	[kg/m]	0.09	0.14	0.18	0.27	0.41	0.55	0.82
Stainless steel	[kg/m]	0.11	0.17	0.21	0.34	0.50	0.67	1.01





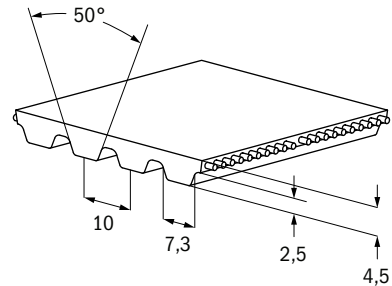
# WRAT10

WITH ENCAPSULATED CORD

## WRAT10 / PITCH: 10MM

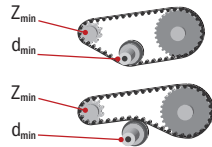
### PRODUCT SPECIFICATIONS

PITCH	10 mm
THICKNESS	4.5 mm
WIDTH TOLERANCE	
< 50MM WIDTH	+/-0.75 mm
> 50MM WIDTH	+/-1.00 mm
ROLL LENGTH	100 m
COLOUR	Blue, White
FDA APPROVAL	Optional
POLYAMIDE	No



With fully encapsulated cord for outdoor use

### MIN PULLEY DIAMETER



	STEEL	ARAMID
z min	15	15
d min	50	50
z min	25	25
d min	120	120

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
RI	92	-5 to +70	Standard
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	16	25	32	50	75	100	150
ULTIMATE TENSILE STRENGTH								
Steel	[N]	8,550	14,250	18,050	29,450	44,650	59,850	90,250
Aramid	[N]	9,970	16,185	21,019	33,449	50,713	67,977	102,505
ALLOWABLE TENSILE STRENGTH / OPEN ENDED								
Steel	[N]	2,245	3,741	4,739	7,731	11,722	15,712	23,693
Aramid	[N]	1,078	1,750	2,273	3,617	5,483	7,350	11,083
ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED								
Steel	[N]	1,122	1,871	2,369	3,866	5,861	7,856	11,847
Aramid	[N]	809	1,313	1,705	2,713	4,113	5,513	8,313
EFFECTIVE FORCE / MIN 12 TEETH IN MESH								
	[N]	1,651	2,580	3,302	5,160	7,740	10,320	15,480
WEIGHT								
Steel	[kg/m]	0.09	0.14	0.18	0.29	0.43	0.57	0.86
Aramid	[kg/m]	0.07	0.11	0.13	0.21	0.32	0.42	0.63

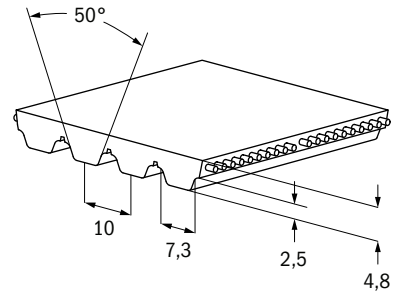
# ATL10 WITH REINFORCED CORD



## ATL10 / PITCH: 10MM

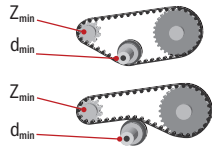
### PRODUCT SPECIFICATIONS

<b>PITCH</b>	10 mm
<b>THICKNESS</b>	4.8 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/- 1.00 mm
> 50MM WIDTH	+/- 1.50 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	No
<b>POLYAMIDE</b>	Optional NT, NB & NTB



With reinforced cord

### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF	STEEL RHF
<b>z min</b>	25	25	20	40
<b>d min</b>	80	80	70	127
<b>z min</b>	25	25	20	42
<b>d min</b>	150	150	130	200

R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	16	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	13,840	24,220	31,140	50,170	76,120	102,070	153,970
Aramid	[N]	13,390	21,798	28,337	45,153	68,508	91,863	138,573
Steel HF	[N]	15,400	26,950	34,650	55,825	84,700	113,575	171,325
Steel RHF	[N]	N/A	41,250	52,250	82,500	123,750	165,000	247,500
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	3,349	5,860	7,534	12,139	18,147	24,696	37,253
Aramid	[N]	1,222	1,989	2,585	4,120	6,251	8,382	12,643
Steel HF	[N]	2,902	5,079	6,530	10,521	15,963	21,404	32,288
Steel RHF	[N]	N/A	9,600	12,160	19,200	28,800	38,400	57,600
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>								
	[N]	1,651	2,580	3,302	5,160	7,740	10,320	15,480
<b>WEIGHT</b>								
Steel	[kg/m]	0.11	0.17	0.21	0.34	0.50	0.67	1.01
Aramid	[kg/m]	0.07	0.10	0.13	0.21	0.31	0.41	0.62
Steel HF	[kg/m]	0.12	0.18	0.23	0.36	0.54	0.72	1.08
Steel RHF	[N]	N/A	0.21	0.27	0.42	0.63	0.85	1.27

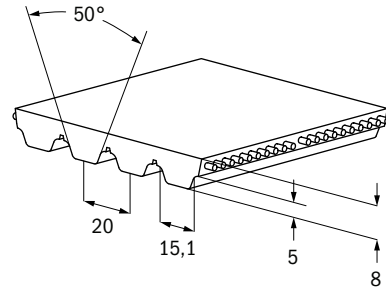


# AT20

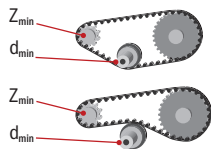
## AT20 / PITCH: 20MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	20 mm
<b>THICKNESS</b>	8.0 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/- 1.00 mm
> 50MM WIDTH	+/- 1.50 mm
<b>ROLL LENGTH</b>	50 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### MIN PULLEY DIAMETER:



	STEEL	ARAMID
<b>z min</b>	18	18
<b>d min</b>	120	120
<b>z min</b>	25	25
<b>d min</b>	180	180

POLYURETHANE	HARDNESS [°SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	25	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>							
Steel	[N]	24,220	31,140	50,170	76,120	102,070	153,970
Aramid	[N]	21,798	28,337	45,153	68,508	91,863	138,573
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>							
Steel	[N]	5,860	7,534	12,139	18,417	24,696	37,253
Aramid	[N]	1,989	2,585	4,120	6,251	8,382	12,643
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>							
Steel	[N]	2,930	3,767	6,069	9,209	12,348	18,626
Aramid	[N]	1,492	1,939	3,090	4,688	6,286	9,483
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>							
	[N]	5,450	6,976	10,900	16,350	21,800	32,700
<b>WEIGHT</b>							
Steel	[kg/m]	0.24	0.31	0.48	0.73	0.97	1.45
Aramid	[kg/m]	0.18	0.23	0.37	0.55	0.73	1.10



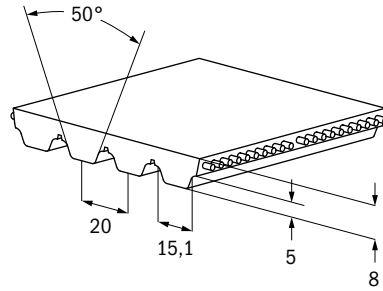
# ATL20

WITH REINFORCED CORD

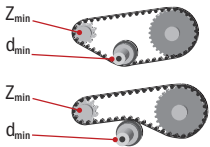
## ATL20 / PITCH: 20MM

### PRODUCT SPECIFICATIONS

PITCH	20 mm
THICKNESS	8.0 mm
WIDTH TOLERANCE	+/-2.00 mm
ROLL LENGTH	50 m
COLOUR	White
FDA APPROVAL	No
POLYAMIDE	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL
z min	25
d min	159
z min	25
d min	250

### With reinforced cord

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

### TECHNICAL DATA

LENGTH (MM)	UNIT OF MEASUREMENT	32	50	75	100	150
<b>ULTIMATE TENSILE STRENGTH</b>						
Steel	[N]	41,600	70,400	105,600	144,000	217,600
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>						
Steel	[N]	9,106	15,410	23,115	31,520	47,631
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>						
	[N]	6,976	10,900	16,350	21,800	32,700
<b>WEIGHT</b>						
Steel	[kg/m]	0.35	0.54	0.81	1.08	1.63

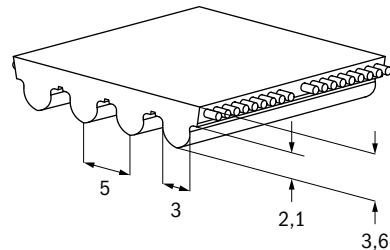


# HTD 5M

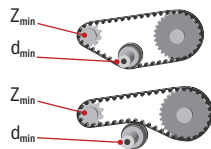
## HTD5 / PITCH: 5MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	5 mm
<b>THICKNESS</b>	3.6 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+0.5 mm
> 50MM WIDTH	+0.75 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID
<b>z min</b>	14	16
<b>d min</b>	22	25
<b>z min</b>	14	16
<b>d min</b>	60	80

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	15	20	25	30	50	100	150
<b>ULTIMATE TENSILE STRENGTH</b>									
Steel	[N]	3,720	5,580	8,060	10,540	12,400	21,700	44,020	66,340
Aramid	[N]	2,911	4,635	6,360	8,085	9,810	16,709	33,957	51,205
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>									
Steel	[N]	826	1,239	1,789	2,340	2,753	4,818	9,773	14,728
Aramid	[N]	383	610	837	1,064	1,290	2,198	4,467	6,736
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>									
Steel	[N]	413	619	895	1,170	1,224	2,409	4,886	7,364
Aramid	[N]	287	457	627	798	968	1,648	3,350	5,052
<b>EFFECTIVE FORCE / MIN 12 TEETH IN MESH</b>									
	[N]	450	675	900	1,125	1,350	2,250	4,500	6,750
<b>WEIGHT</b>									
Steel	[kg/m]	0.05	0.07	0.10	0.12	0.15	0.25	0.49	0.74
Aramid	[kg/m]	0.03	0.04	0.06	0.07	0.09	0.15	0.29	0.44

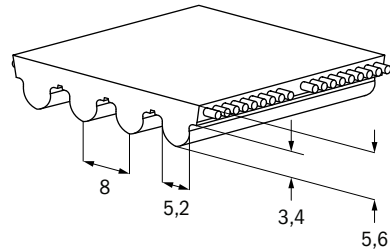
# HTD 8M



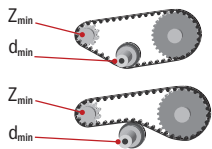
## HTD8 / PITCH: 8MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	8 mm
<b>THICKNESS</b>	5.6 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/-0.75 mm
> 50MM WIDTH	+/-1.00 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	Optional
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF	STAINLESS STEEL
<b>z min</b>	20	20	16	25
<b>d min</b>	50	50	40	80
<b>z min</b>	22	22	20	28
<b>d min</b>	110	110	100	150

POLYURETHANE	HARDNESS [°SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures
FDA	85	-10 to +60	With aramid cords

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	10	15	20	25	30	50	85	100	150
<b>ULTIMATE TENSILE STRENGTH</b>										
Steel	[N]	4,750	7,600	10,450	14,250	17,100	29,450	50,350	59,850	90,250
Aramid	[N]	5,827	9,279	12,732	16,185	19,638	33,449	57,619	67,977	102,505
Steel HF	[N]	4,325	6,920	9,515	12,975	15,570	26,815	45,845	54,495	82,175
Stainless steel	[N]	3,563	5,700	7,838	10,688	12,825	22,088	37,763	44,888	67,688
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>										
Steel	[N]	1,247	1,995	2,743	3,741	4,489	7,731	13,218	15,712	23,693
Aramid	[N]	603	960	1,317	1,675	2,032	3,461	5,962	7,033	10,606
Steel HF	[N]	1,152	1,843	2,534	3,456	4,147	7,142	12,211	14,515	21,888
Stainless steel	[N]	935	1,496	2,058	2,806	3,367	5,799	9,914	11,784	17,770
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>										
Steel	[N]	624	998	1,372	1,871	2,245	3,866	6,609	7,856	11,847
Aramid	[N]	452	720	988	1,256	1,524	2,596	4,471	5,275	7,954
Steel HF	[N]	576	922	1,267	1,728	2,074	3,571	6,106	7,258	10,944
Stainless steel	[N]	468	748	1,029	1,403	1,683	2,899	4,957	5,892	8,885
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>										
	[N]	930	1,395	1,860	2,325	2,790	4,650	7,905	9,300	13,950
<b>WEIGHT</b>										
Steel	[kg/m]	0.07	0.10	0.14	0.17	0.21	0.34	0.58	0.69	1.03
Aramid	[kg/m]	0.05	0.07	0.09	0.12	0.14	0.24	0.40	0.47	0.71
Steel HF	[kg/m]	0.07	0.10	0.13	0.17	0.20	0.33	0.56	0.66	0.99
Stainless steel	[kg/m]	0.07	0.10	0.14	0.17	0.20	0.34	0.58	0.68	1.02



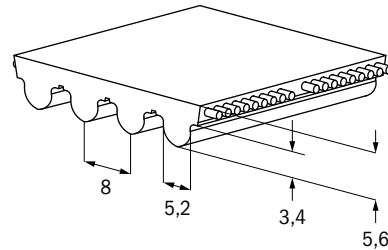
# HTDL 8

## WITH REINFORCED CORD

### HTDL8 / PITCH: 8MM

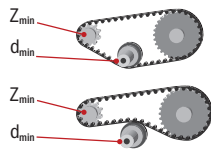
#### PRODUCT SPECIFICATIONS

<b>PITCH</b>	8 mm
<b>THICKNESS</b>	5.6 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/- 1.00 mm
> 50MM WIDTH	+/- 1.50 mm
<b>ROLL LENGTH</b>	100 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	No
<b>POLYAMIDE</b>	Optional NT, NB & NTB



With reinforced cord

#### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF
<b>z min</b>	32	32	25
<b>d min</b>	90	90	70
<b>z min</b>	34	34	30
<b>d min</b>	150	150	130

POLYURETHANE	HARDNESS [*SHORE A]	TEMPERATURE RANGE [°C]	FEATURES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

#### TECHNICAL DATA

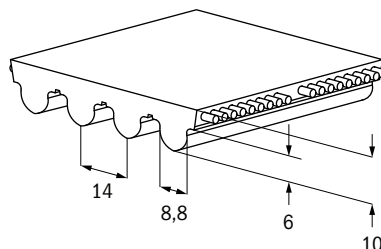
STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	20	25	30	50	85	100	150
<b>ULTIMATE TENSILE STRENGTH</b>								
Steel	[N]	19,030	24,220	29,410	50,170	86,500	102,070	153,970
Aramid	[N]	17,127	21,798	26,469	45,153	77,850	91,863	138,573
Steel HF	[N]	21,175	26,950	32,725	55,825	96,250	113,575	171,325
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>								
Steel	[N]	4,604	5,860	7,116	12,139	20,929	24,696	37,253
Aramid	[N]	1,563	1,989	2,415	4,120	7,103	8,382	12,643
Steel HF	[N]	3,991	5,079	6,167	10,521	18,139	21,404	32,288
<b>ALLOWABLE TENSILE STRENGTH / MIN 12 TEETH IN MESH</b>								
	[N]	1,860	2,325	2,790	4,650	7,905	9,300	13,950
<b>WEIGHT</b>								
Steel	[kg/m]	0.16	0.20	0.24	0.39	0.67	0.79	1.18
Aramid	[kg/m]	0.09	0.11	0.14	0.23	0.38	0.45	0.68
Steel HF	[kg/m]	0.17	0.21	0.25	0.42	0.71	0.83	1.25



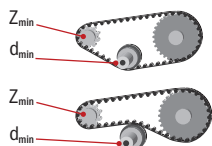
## HTD14 / PITCH: 14MM

### PRODUCT SPECIFICATIONS

<b>PITCH</b>	14 mm
<b>THICKNESS</b>	10 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/-1.00 mm
50 TO 100MM	+/-1.50 mm
> 100 MM	+/-2.00 mm
<b>ROLL LENGTH</b>	50 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	No
<b>POLYAMIDE</b>	Optional NT, NB & NTB



### PULLEY DIAMETER MIN:



	STEEL	ARAMID	STEEL HF
<b>z min</b>	26	26	23
<b>d min</b>	120	120	100
<b>z min</b>	28	28	25
<b>d min</b>	180	180	160

POLYURETHANE	HARDNESS [SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	25	40	55	85	115	170
<b>ULTIMATE TENSILE STRENGTH</b>							
Steel	[N]	20,760	34,600	48,440	74,390	102,070	152,240
Aramid	[N]	18,995	31,327	43,658	68,321	92,984	138,199
Steel HF	[N]	23,100	38,500	53,900	82,775	113,575	169,400
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>							
Steel	[N]	5,156	8,593	12,031	18,476	25,350	37,811
Aramid	[N]	1,733	2,858	3,983	6,234	8,484	12,609
Steel HF	[N]	4,470	7,449	10,429	16,016	21,975	32,776
<b>ALLOWABLE TENSILE STRENGTH / ENDLESS WELDED</b>							
Steel	[N]	2,578	4,297	6,015	9,238	12,675	18,905
Aramid	[N]	1,300	2,144	2,988	4,675	6,363	9,457
Steel HF	[N]	2,235	3,725	5,214	8,008	10,988	16,388
<b>EXPRESSED FORCE / MIN 12 TEETH IN MESH</b>							
	[N]	4,313	6,900	9,488	14,663	19,838	29,325
<b>WEIGHT</b>							
Steel	[kg/m]	0.27	0.43	0.60	0.92	1.24	1.84
Aramid	[kg/m]	0.21	0.34	0.46	0.71	0.97	1.43
Steel HF	[kg/m]	0.28	0.45	0.62	0.96	1.29	1.91



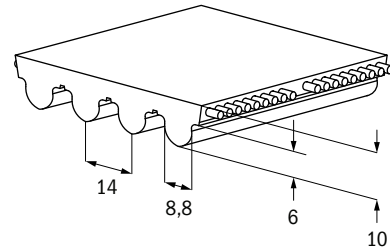


# HTDL 14

## HTDL14 / PITCH: 14MM

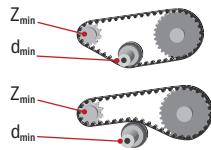
### PRODUCT SPECIFICATIONS

<b>PITCH</b>	14 mm
<b>THICKNESS</b>	10 mm
<b>WIDTH TOLERANCE</b>	
< 50MM WIDTH	+/-1.00 mm
50 TO 100MM	+/-1.50 mm
> 100 MM	+/-2.00 mm
<b>ROLL LENGTH</b>	50 m
<b>COLOUR</b>	White
<b>FDA APPROVAL</b>	No
<b>POLYAMIDE</b>	Optional NT, NB & NTB



With reinforced cord

### PULLEY DIAMETER MIN:



	STEEL
<b>z min</b>	34
<b>d min</b>	160
<b>z min</b>	36
<b>d min</b>	200

POLYURETHANE	HARDNESS [°SHORE A]	TEMPERATURE RANGE [°C]	ATTRIBUTES
R1	92	-5 to +70	Standard
R2	85	-10 to +60	
R23T	90	-30 to +50	Low temperatures

### TECHNICAL DATA

STANDARD WIDTH (MM)	UNIT OF MEASUREMENT	55	85	115	170
<b>ULTIMATE TENSILE STRENGTH</b>					
Steel	[N]	76,800	121,600	163,200	246,400
<b>ALLOWABLE TENSILE STRENGTH / OPEN ENDED</b>					
Steel	[N]	16,811	26,617	35,723	53,935
<b>ALLOWABLE TENSILE STRENGTH / MIN 12 TEETH IN MESH</b>					
	[N]	9,488	14,663	19,838	29,325
<b>WEIGHT</b>					
Steel	[kg/m]	0.68	1.04	1.41	2.09

# SUPER FLEX™

THERMOPLASTIC BELTS MANUFACTURED AS ENDLESS EXTRUDED SYNCHRONOUS BELTS



DRIVEN BY POSSIBILITY™



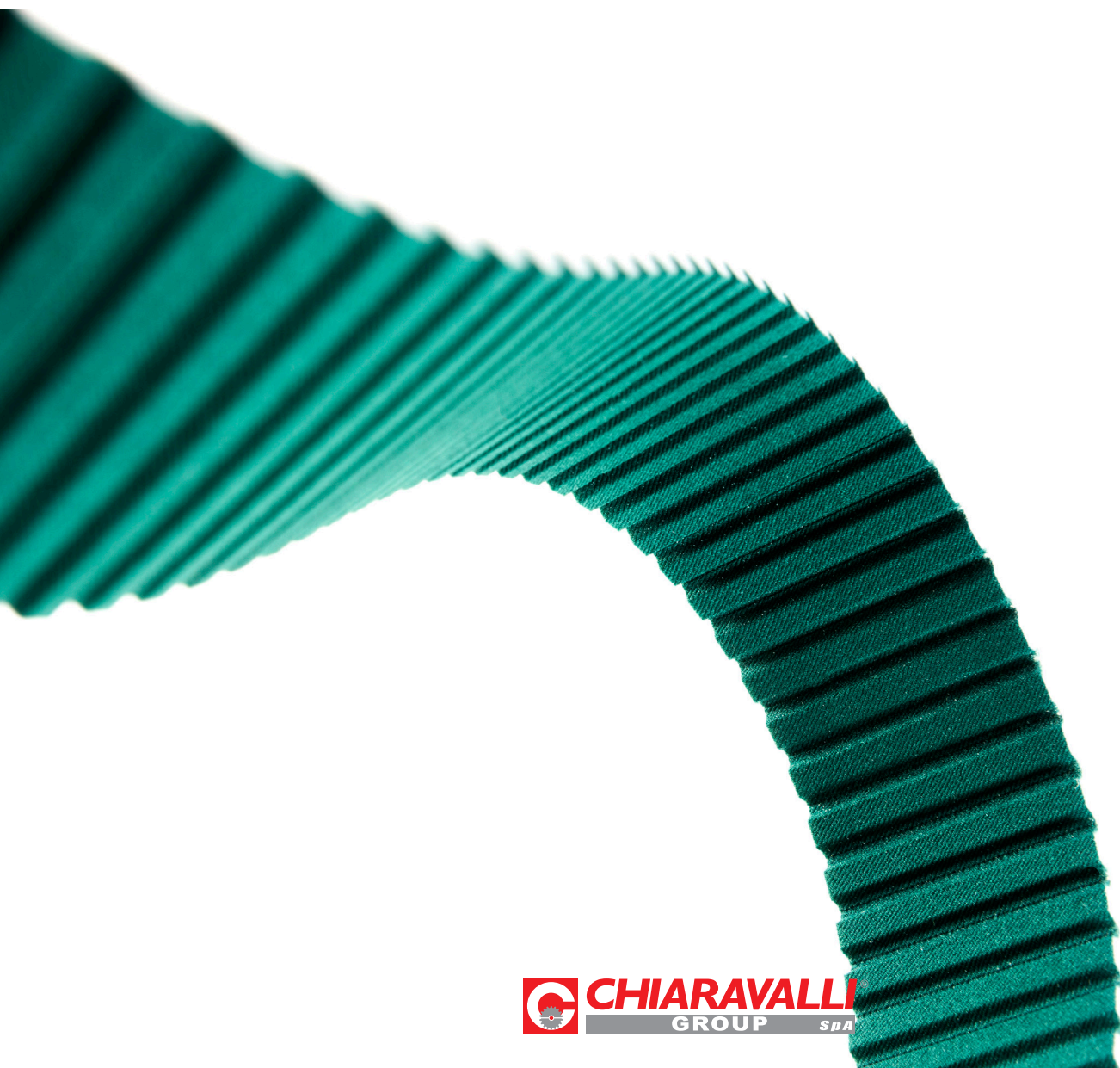
The SUPER Flex™ endless belt programme combines the durability of Gates quality products with a reliable partnership, making it the number one choice for polyurethane synchronous belts. You can be confident in the SUPER Flex™ reliability, for both power transmission drives and heavy load conveying applications.

## CONSTRUCTION

- Wide range of sizes, widths, and any length between 1.5 and 22.5m.
- Helically wound steel cords. Different steel cord options available: standard, high strength, high flexible or stainless steel.
- Different PU grades available for special requirements, such as food applications.

## BENEFITS

- High flexibility, exceptional strength and stiffness.
- More than 30 different covering materials.
- Over 3,000 designs for welded profiles.
- Engineering support for customised designs – unique labelling/marketing options available.
- More info on [www.gatessuperflex.com](http://www.gatessuperflex.com).





# ENDLESS WELDED POLYURETHANE BELTS

 | DRIVEN BY POSSIBILITY™

Customised polyurethane belts are the perfect supplement to our standard Synchro-Power™ product offering. These belt not only meet the most challenging requirements in terms of quality and reliability, but also allow us to customise our products to meet your most unique and specific needs. We are committed to providing a complete range of power transmission solutions, regardless of the complexity of your industrial applications. This engineering flexibility allows the belts to be adapted to the most specific needs, ensuring they perfectly integrate with your processes and maintain the same top-quality standards of our standard belts, guaranteeing reliability and durability. With these customised options, we guarantee to provide high quality solutions for common applications and meet the most unique and specific needs of your industry.



The comprehensive product range and technical data are available on [Gates.com](https://www.gates.com).



# **4. PREVENTIVE MAINTENANCE TOOLS**



# SINGLE / DOUBLE BARREL TENSION TESTER

 | DRIVEN BY POSSIBILITY™

Gates has two deflection tension testing tools for servicing of belt drives. The single barrel (15kg) and the double barrel (30kg) tester can be used to accurately measure the tension of individual or joined belts upon installation or during maintenance. Using the tension tester ensures that correct tension is maintained and is repeatable. This will yield not only a longer service life but a predictable one, enabling scheduled replacement rather than breakdown replacement.



#### Ordering code

Single Barrel Tension tester:  
PN 7401-00076

Double Barrel Tension tester:  
PN 7401-00075

# SONIC TENSION METER 550 C



DRIVEN BY POSSIBILITY™

Correct belt installation tension is essential for optimum performance and reliability of multi-ribbed, trapezoidal and synchronous belt drives. The 550C 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 meter is user-friendly: it is compact, computerised and stores data for repetitive use. Gates' sonic tension meter measures belt tension accurately every time. It is supplied with a handy instruction manual.

## TECHNICAL CHARACTERISTICS

- Suitable for multi-ribbed, trapezoidal and synchronous belts.
- CE approved.
- RoHS 2 complaint: 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.
- Batteries: 2 x AAA.
- Measurement range: 10 Hz to 5,000 Hz.
- Measured accuracy:  $\pm 1\%$ .
- LCD screen backlight.
- Double display option (Newton and/or Hz).
- New sensor type: flat and flexible (standard included - PN 7420-00205).
- Stores weight, width and span constants for up to forty different drive systems.
- Auto adjustment function automatically eliminates background noise.
- Cord sensor and inductive sensor available on request.
- Compact model (H 160mm x D 26mm x W 59mm).
- Use and storage temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  (free from condensation).

## OPTIONAL ACCESSORIES

- CORD SENSOR (PN 7420-00206)  
The cord sensor is recommended for measuring tensions at a distance from the tension meter.
- INDUCTIVE SENSOR (PN 7420-00212)  
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.
- PACKAGE OFFERING (PN 7420-10508)  
Sonic 508C + Inductive sensor + Magnets.

### Ordering code

PN 7420-00508



**IMPORTANT NOTE!: THE SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.**



# SONIC TENSION METER 350C



The correct tension of a belt in a drive – whether it's a V-belt, a V-ribbed or a synchronous belt – is crucial. Looking for a tension measuring device that is easy to handle and extremely accurate? Gates Sonic tension meter 350C is the answer. This fully electronic measuring device analyses sound waves from the belt through the sensor. It processes the input signals and displays the accurate tension measurement digitally. The correct belt installation tension is essential for the optimum performance and reliability of your trapezoidal, multi-ribbed and synchronous belt drives. Belt pre-tension data can be determined by using Gates DesignFlex™ Pro™ design software, available on Gates.com.

## TECHNICAL CHARACTERISTICS

- Suitable for multi-ribbed, trapezoidal and synchronous belts.
- Measured accuracy:  $\pm 1\%$ .
- Auto-shutdown after 5 min of inactivity.
- Auto adjustment function automatically eliminates background noise.
- Compact model (H 120mm x D 27mm x W 75mm).
- High-resolution OLED screen.
- Measurement range: 10 Hz to 5,000 Hz.
- Batteries: 2 x AAA.
- Use and storage temperature range: -20°C to +70°C (free from condensation).



**IMPORTANT NOTE!:** THE SONIC TENSION METER SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.

# LASER AT-1



DRIVEN BY POSSIBILITY™

Gates' unique **LASER AT-1** laser alignment device offers a fast and accurate method to measure misalignments. 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 60mm and larger. It can be used on both horizontally and vertically mounted machines.

## TECHNICAL CHARACTERISTICS

- Suitable for multi-ribbed, trapezoidal and synchronous belts.
- CE approved.
- RoHS 2 complaint: 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.
- Pulley diameters:  $\geq 60\text{mm}$ .
- Laser class 2.
- Temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .
- Targets: 2 pieces magnet targets with adjustable centre line.

### Ordering code

AT1+2 targets: PN 7401-10010

Targets: PN 7401-10012



**IMPORTANT NOTE!: LASER AT-1 SHOULD NOT BE USED IN EXPLOSIVE RISK AREAS.**





# NOTES



DRIVEN BY POSSIBILITY™



# GENERAL SALES CONDITION



To remain up to date with our general sales condition:  
<https://www.chiaravalli.com/en/sales-condition>

Or you can scan this QR Code





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