

POLYURETHANE SYNCHRONOUS BELTS



POLY CHAIN® CARBON™ VOLT®



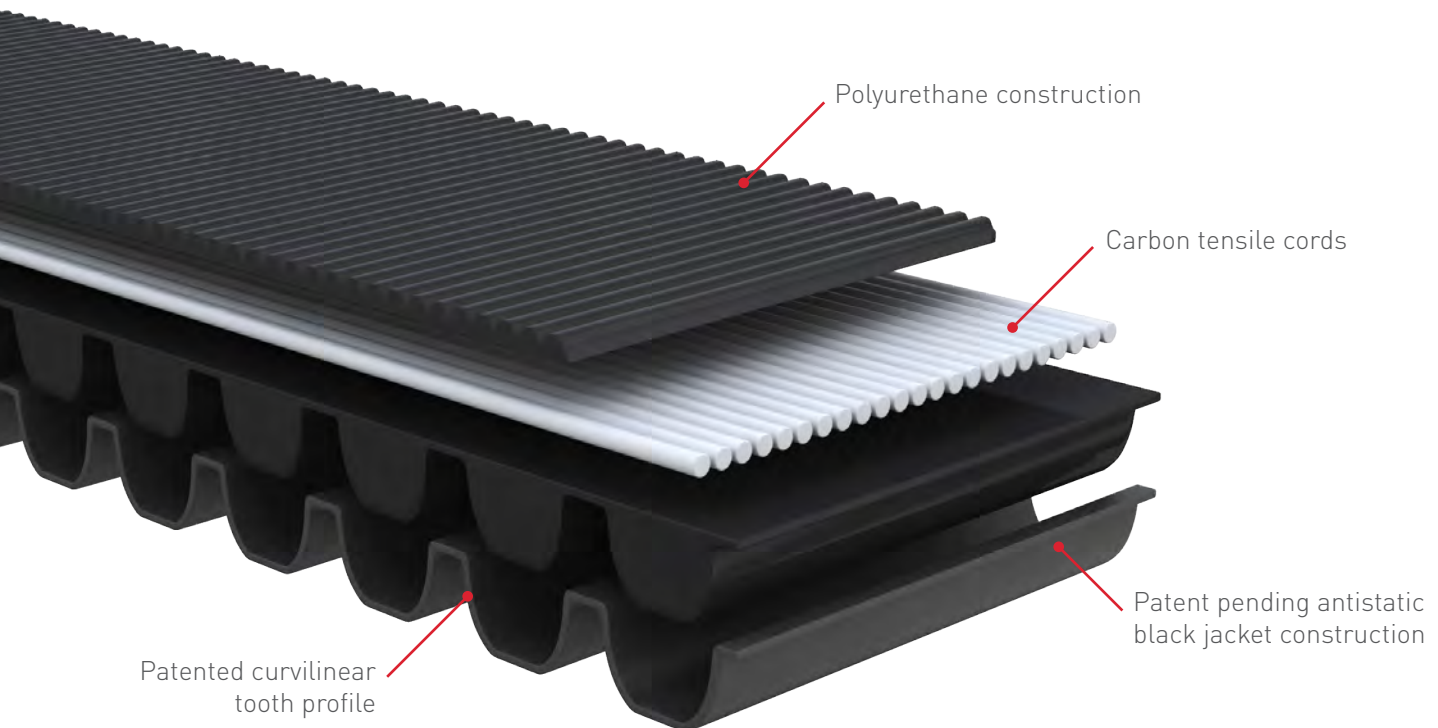
UNMATCHED PERFORMANCE WITH ANTISTATIC EXCELLENCE

Antistatic power transmission belts are a must in explosive environments. What you may not realise is that power transmission belts that meet the ISO 9563 standard for static conductivity are only required to meet that level when new. To ensure the highest safety standards, it is important to guarantee antistatic properties over the lifetime of the belt. Gates Poly Chain® Carbon™ Volt® belt has been proven to maintain static conductivity many times longer than any other belt on the market, making it the safest and strongest option!

POLY CHAIN® CARBON™ VOLT®

THE MOST POWERFUL SYNCHRONOUS BELT IN THE MARKET

Strength, flexibility, durability and reliability are all vital qualities in the field of power transmission. With Poly Chain® Carbon™ Volt® belts, you can be confident that all these are guaranteed. The Poly Chain® Carbon™ Volt® belt consists of a tough, lightweight polyurethane compound with carbon tensile cord. The carbon fibre reinforcement provides high strength and length stability with improved shock load and fatigue resistance, while reducing stretch and increasing flexibility. The new facing covering the teeth is a graphite fabric that gives the necessary static-conductivity to the belt.



CONSTRUCTION FEATURES

- › Static conductive to ISO 9563 throughout the lifetime of the belt
- › Patented static conductive construction
- › High fatigue-resisting carbon fibre tensile cord
- › Patented carbon tensile cord design
- › Suitable for high torque, low speed drives
- › ATEX directive compliant: suitable for environments with explosive atmospheres



MEETS ISO 9563 STANDARDS FROM START TO FINISH

Gates combines engineering excellence with manufacturing expertise to make sure you get the ultimate in synchronous drive systems. Our new Poly Chain® Carbon™ Volt® is the only belt in the market that meets ISO 9563 standard when new, and maintains it for an extended period of time. The belt features patented static-conductive fibres that safely transfer static electricity to carbon tensile cords and away from the driven side of a power transmission application for improved safety in environments where build-up of static electricity needs to be avoided, like oil and gas refineries, chemical processing plants, grain silos... Maximise your safety standards with Gates!

YOUR BENEFITS USING POLY CHAIN® CARBON™ VOLT®

- › Precise drive solutions
- › Unsurpassed quality
- › Clean, quiet, compact, durable
- › Extraordinary power capacity
- › Supports a maintenance-free, energy saving, environmentally friendly operation
- › Suitable for temperatures from -54°C to +85°C
- › Compatible with genuine Gates® Poly Chain® GT sprockets



POLY CHAIN® CARBON™ VOLT®



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

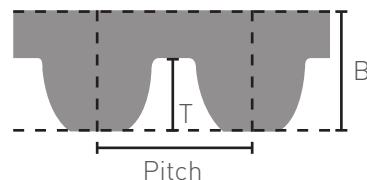
Available in widths of 12 mm, 21 mm, 36 mm and 62 mm.

14MGT		
Description	Pitch length mm	Number of teeth
14MGTV-994	994	71
14MGTV-1120	1120	80
14MGTV-1190	1190	85
14MGTV-1260	1260	90
14MGTV-1400	1400	100
14MGTV-1568	1568	112
14MGTV-1610	1610	115
14MGTV-1750	1750	125
14MGTV-1890	1890	135
14MGTV-1960	1960	140
14MGTV-2100	2100	150
14MGTV-2240	2240	160
14MGTV-2310	2310	165
14MGTV-2380	2380	170
14MGTV-2450	2450	175
14MGTV-2520	2520	180
14MGTV-2590	2590	185
14MGTV-2660	2660	190
14MGTV-2730	2730	195
14MGTV-2800	2800	200
14MGTV-2828	2828	202
14MGTV-3136	3136	224
14MGTV-3304	3304	236
14MGTV-3360	3360	240
14MGTV-3500	3500	250
14MGTV-3850	3850	275
14MGTV-3920	3920	280
14MGTV-4326	4326	309
14MGTV-4410	4410	315

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

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

All dimensions are available from stock.



The power and performance you expect only from a Gates Poly Chain® system, as well as industry-leading reliable dissipation of electrostatic charges.

Gates.com/europe/pti

Your distributor:

E2/20199