

Carbon Drive™ Product Line

Sprockets

System Pitch	Teeth	Location	Mounting Type	Availability
11 mm	55	Front	5 spoke 130mm BC	August 08
11 mm	50	Front	4 spoke 104mm BC	April 08
11 mm	46	Front	4 spoke 104mm BC	April 08
11 mm	32	Rear	9 spline hub	Fall 2008
11 mm	28	Rear	9 spline hub	April 08
11 mm	25	Rear	9 spline hub	Fall 2008
11 mm	24	Rear	9 spline hub	April 08
11 mm	24	Rear	3 speed Nexus	Fall 2008
11 mm	24	Rear	Rohloff Shimano Alfine SRAM hubgears	August 08
11 mm	22	Rear	9 spline hub Rohloff Shimano Alfine SRAM hubgears	Fall 2008

subjects may change without notice

Belts

System Pitch	Teeth	Width	Availability
11 mm	113	10mm	Fall 2008
11 mm	118	10mm	April 08
11 mm	122	10mm	April 08
11 mm	125	10mm	May 08

For More Information

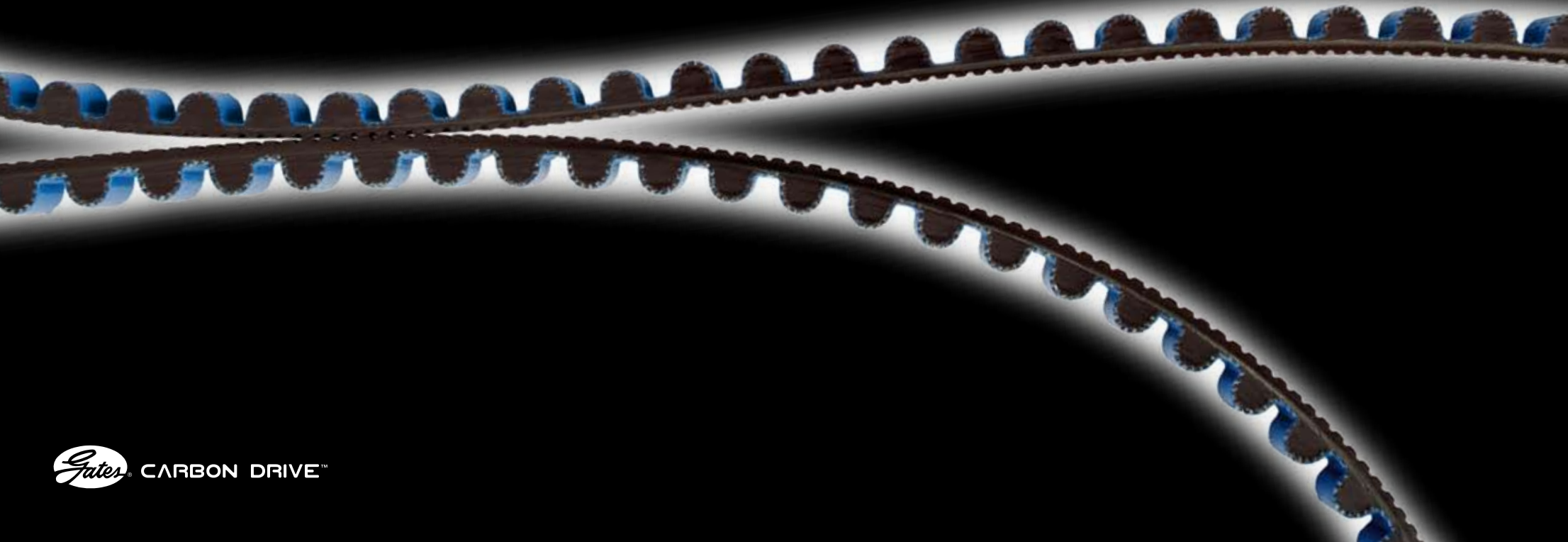
Gates has two Industry partners to assist manufacturers with even the most difficult of integration need.

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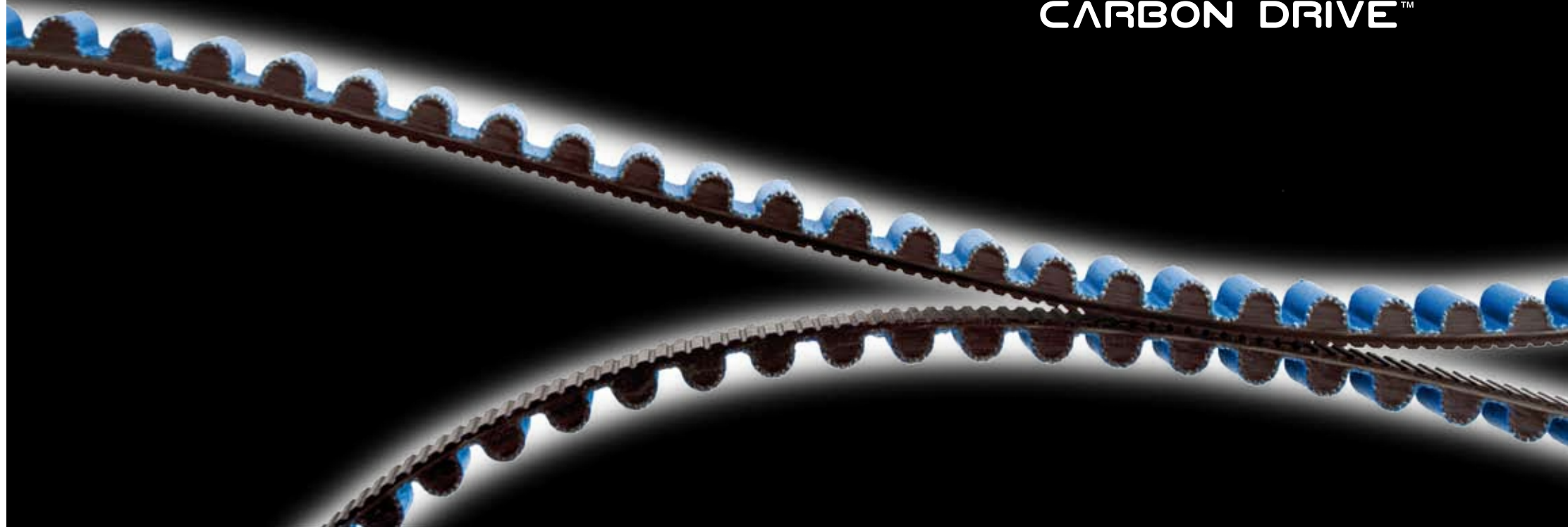
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CARBON DRIVE™



 **CARBON DRIVE™**



Why **GATES**
CARBON Drive™?



The Sound of Revolution is upon us!

1. STRONG

Unlike the standard roller chain, the Carbon Drive™ Poly Chain® belt does not see “stretch” over the course of its life-cycle. The same Carbon tensile cord technology is used to power 150hp motorcycles, and 6000hp dragster engines. The system is incredibly durable as well. Product tests have shown the Gates Carbon Drive™ to last nearly 3 times longer than even the most durable roller-chain.

2. LIGHTWEIGHT

Typical chain weights vary around 300grams, and singlespeed systems are commonly upwards of 400g. The Gates Carbon Drive™ weighs a measly 70 grams.

3. CLEAN

The patent pending sprockets contain Mud Ports™ that shed even the worst types of debris. This system works as well in wet, snowy, or muddy conditions as it does when conditions are perfect. It is the only drive system that is completely lubricant-free as well. It offers the end consumer a maintenance-free product that performs consistently in all conditions!

4. EFFICIENT

Third party tests have proven Gates Carbon Drive™ to be equally as efficient as a new standard roller chain. Unlike a chain that decreases in efficiency over time due to wear and deformation, the Poly Chain® belt retains consistent efficiency over time as proven in years of experience in harsh industrial applications.

5. SEXY

US Publication *Mountain Bike Magazine* likened Carbon Drive™ to the smooth, tantalizing voice of Barry White. We don't know about all that, but the Carbon Drive™ System is exquisitely engineered and beautifully crafted bringing further value to even the best designed bike.

6. QUIET

No clatter, chatter or noise - Listen to the Sound of Revolution!



Carbon Drive™ Technology

The carbon cords inside the patented Gates Poly Chain® belt offer, for the first time, the necessary tensile strength to provide the smooth, clean, and long lasting ride advantage of a “belt” driven system in a bicycle application. The specially designed tooth pitch and meticulously engineered sprocket profile afford the belt efficiency equal to that of a standard chain, with the low tension necessary to prevent unnecessary bearing load on other components. Already referred to as a “magic item, that will change many of the bikes we ride,” Gates Carbon Drive™ offers a truly revolutionary technology that already has created an amazing amount of end-user interest and demand.



Gates Corporation

Carbon Drive™ is the brainchild of Gates Corporation; an engineered products company with a legacy of creating long-lasting, superior-performing power transmission products. From driving 1000 Horsepower blower engines to working with industry leaders such as BMW, Harley Davidson, and Ducati, Gates has been offering its drive-train expertise to the automotive, industrial, and engine powered world since 1911. Gates is now proud to bring its unparalleled standards, unwavering product support, and proven product development capacity to the bicycle market.