POLY CHAIN® CARBON™ ONE

Poly Chain Carbon ONE leverages Gates proven technologies to deliver the same exceptional load-carrying capability as Poly Chain GT™ Carbon, Poly Chain ADV, and Poly Chain Volt™, all within a new and narrower drive design.

We've designed Poly Chain Carbon ONE for ease of use, providing weight savings without sacrificing performance. Our design aims to set a new standard in power transmission, making your job a little easier.

WE'RE HERE FOR YOU

Poly Chain Carbon ONE is fully integrated in Gates Design Power™ drive design software. Use the QR code to access the tool, or email PTPASupport@gates.com for additional support.

WHERE IS THE BLUE COVER?

The blue cover has been replaced with an advanced black tooth fabric that delivers static conductivity, meeting ISO 9563 for the life of the belt.

WHY IS MY BELT NARROWER?

Machines are getting more compact. Poly Chain Carbon ONE is narrower while maintaining the same load carrying capacity to increase usable shop footprint.

INSTALLATION PROCEDURE

Install force (N) will remain the same when replacing existing Poly Chain with Poly Chain Carbon ONE. If frequency (Hz) readings are used while tensioning a belt, the target frequency should be increased by 5% for 8M and 10% for 14M.

DO I NEED NEW SPROCKETS?

Poly Chain Carbon ONE belts are designed to work seamlessly with Poly Chain sprockets as a drop-in replacement. When your sprockets need to be replaced, narrower sprockets reduce upfront cost while maintaining performance.

CONVERSION CHART

EQUIVALENT PERFORMANCE, NARROWER CONSTRUCTION

8M

POLY CHAIN* CURRENT WIDTH	POLY CHAIN CARBON ONE WIDTH
12 MM	12 MM
21 MM	16 MM
36 MM	28 MM
62 MM	55 MM

14M

POLY CHAIN* CURRENT WIDTH	POLY CHAIN CARBON ONE WIDTH
20 MM	18 MM
37 MM	32 MM
68 MM	60 MM
90 MM	80 MM
125 MM	110 MM

*Poly Chain GT Carbon, Poly Chain Carbon Volt.

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