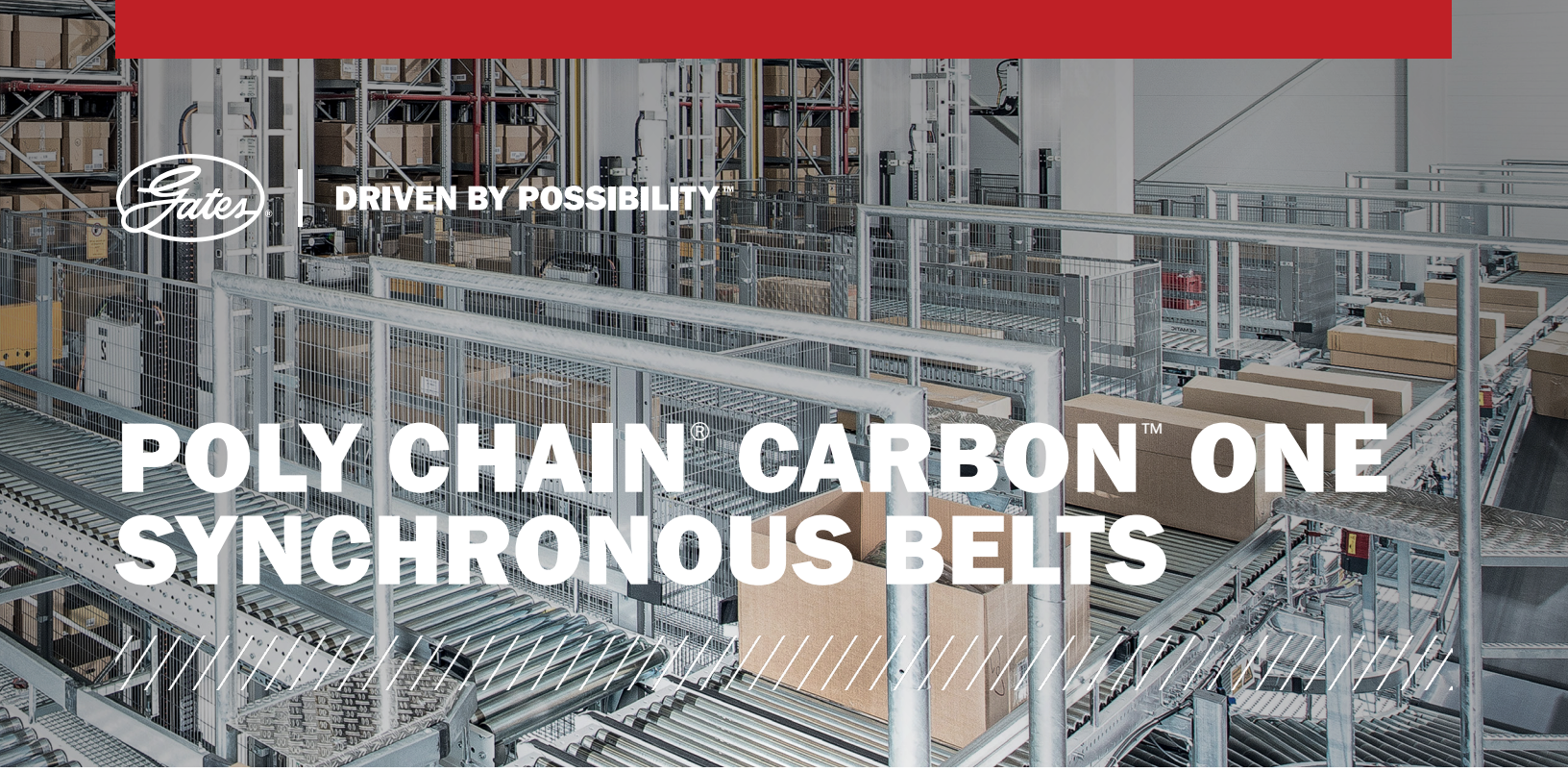


DRIVEN BY POSSIBILITY™

# POLY CHAIN® CARBON™ ONE SYNCHRONOUS BELTS

## SUPERIOR POWER IN A COMPACT PACKAGE

Industrial roller chain drives are expensive, bulky, and need constant lubrication. Let Gates solve all those problems and more with Poly Chain Carbon ONE. Even in the toughest industries like mining and forestry, Poly Chain Carbon ONE maintains the excellent load-carrying capacity and lifetime our customers have come to expect while helping to lower total cost of ownership.

Built to handle big power in small spaces, our next generation Poly Chain belt can now further reduce overall drive cost with its narrow construction, elimination of lubrication costs, the ability to design new drives in a more compact space, all without needing to change sprockets. Poly Chain Carbon ONE combines ease of use, smaller footprint, and performance to replace roller chain and many belt types with one complete solution.

## TECHNICAL FEATURES

- **Available sizes:** 8mm and 14mm pitch, 13 total widths, lengths between 640-4480mm
- **Materials:** Polyurethane construction with cutting-edge carbon tensile cord reinforcement
- **ISO 9563 compliant:** Static-conductive for the entire lifespan of the belt
- **ATEX Directive 2014/34/EU-compliant:** Manufactured to prevent ignition in explosive environments
- **REACH & RoHS:** REACH compliant and suitable for RoHS-required applications
- **Temperature range:** -65°F to 185°F (-54°C to 85 C°)

## COMPETITIVE EDGE

ONE

UP TO **80%**
LOWER TOTAL COST OF OWNERSHIP*

**100%**
LUBRICATION-FREE

**ZERO**
RETENSIONING

UP TO **97%**
WEIGHT & $CO_2e$ SAVINGS*

*Compared to roller chains.

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# ALL YOU NEED, ALL IN ONE

## ONE BELT REPLACES MULTIPLE TYPES

| YOU NEED | FORMER OPTION |
|---|---|
| RELIABLE AVAILABILITY AND MARKET-LEADING PERFORMANCE | GATES POLY CHAIN GT™ CARBON |
| STATIC CONDUCTIVITY FOR MORE VOLATILE ENVIRONMENTS | GATES POLY CHAIN CARBON VOLT™ |
| HIGH PERFORMANCE IN THE NARROWEST PACKAGE | GATES POLY CHAIN ADV™ |

**ONE** — Gates POLY CHAIN® CARBON® ONE

**Market-leading performance:** Improved load-carrying capacity enables even narrower drives*.

**In-region, for region manufacturing:** Produced in NA and EMEA facilities for global availability.

**Static-conductive:** Safely dissipates electrical charges to prevent sparks or static buildup.

**Drop-in replacement:** Uses existing Poly Chain sprockets or reduced-width sprockets.

*Compared to equivalent competitor roller chain and belt products.

## BENEFITS FOR COMMON APPLICATIONS



**AIR HANDLING**

**INDUSTRIAL FAN DRIVES**
Compact, maintenance-free performance



**FORESTRY**

**CONVEYOR LINES**
Lubrication-free precision provides higher hygiene compliance



**MINING & CEMENT**

**MIXERS & BUCKET CONVEYORS**
Durable in abrasive environments



**OIL & GAS**

**AIR-COOLED HEAT EXCHANGER**
ISO and ATEX-certified for hazardous zones



**PULP & PAPER**

**AGITATOR PUMP DRIVES**
Resists chemicals and moisture

GATES®

EXPLORE THE POLY CHAIN CARBON ONE INNOVATION PAGE

DESIGN POWER™ MOBILE APP | DESIGN POWER™ WEB APP | DESIGN POWER™ DESKTOP APP

UPGRADE YOUR BELT DRIVE WITH DESIGN POWER

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