

GATES.COM PT CALCULATORS

THREE FOCUSED TOOLS. ONE DESIGN POWER™ ENGINE.

The Gates.com PT Calculators are a **streamlined way to reach the Design Power calculation engine** for a single, focused task. Set belt tension, convert a chain drive, or build a savings case for Gates belts directly on Gates.com, with automated results available results available rapidly and on-demand. Each calculator handles one question well, and when the application calls for full drive design, your work carries forward into Design Power.

FIND ALL THREE CALCULATORS AT GATES.COM

BUILT ON THE SAME FOUNDATION

CONSISTENT WITH DESIGN POWER

Because the calculators share the Design Power database and engine, their outputs align with what the full program produces. Working across both tools means one set of numbers and one product portfolio.

UP-TO-DATE PRODUCT DATA

A direct feed from Design Power means every one of the Gates drive belts is available, no matter how new, including the latest synchronous belts.

SELF-SERVICE FOR ROUTINE WORK

Day-to-day tension lookups, conversion checks, and savings estimates can be handled independently, 24/7. Routine tasks are quick while Design Power is reserved for in-depth design work.

RESULTS THAT CARRY INTO DESIGN POWER

Enter an email address to receive a PDF report and a Design Power project file. Your inputs are preserved, so quick calculations become the starting point for detailed designs when you are ready.

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ONE CONNECTED PATH, FROM CHAIN TO BELT TO INSTALL SPECS

THE CALCULATORS ARE DESIGNED TO WORK INDEPENDENTLY, OR IN SEQUENCE:

1. **Convert** a chain drive and identify qualified synchronous belt options
2. **Select** a belt drive design and run the savings analysis on it directly. Your chain drive inputs are pulled in automatically
3. **Tension** the new drive to specification once it's installed

INDUSTRIAL BELT TENSION CALCULATOR

The quick answer at the machine, and the belt tension guide for your whole facility. Get accurate tension specifications for your full range of synchronous and v-belts from one tool. Industrial v-belt coverage is now available, and synchronous specifications are fully refreshed to reflect current Gates product data.

BEST FOR

Maintenance and MRO technicians performing scheduled checks and retensioning across manufacturing, automation, and conveyors.

- Spend less time locating specs and more time on the work that matters

CHAIN TO BELT CONVERSION CALCULATOR

The belt drive calculator for chain conversions. Enter the chain drive you have today, from sprocket sizes to motor RPM and chain specifications, and receive synchronous belt drive options with a list of Gates components. It turns a conversion question into a specified answer.

BEST FOR

Design engineers, purchasers, and line operators evaluating a move off chain for their heavy-duty machinery.

- **Convert an existing drive, or spec a belt at the design stage.** Either way, avoid carrying a legacy chain arrangement forward.

SYNCHRONOUS BELT SAVINGS CALCULATOR

Quantify what a synchronous belt drive is worth on your application. Compare your existing chain drive against a synchronous alternative and get the cost figures you need to evaluate and act on the change.

BEST FOR

Purchasers, executive teams, and sales teams building a conversion case.

- Build a savings case in seconds, right on Gates.com, and take a defensible number into the conversation that follows

A DELIBERATE ON-RAMP, NOT A DESTINATION

Each calculator is built to connect forward. Run the calculation you need today and when the application grows more complex, the path into Design Power is already open. Find full design, selection, and analysis capabilities on your desktop application, the web, or your mobile device.

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