



## SONIC TENSION METER



### CONSISTENT, ACCURATE READINGS EVERY TIME

Gates Sonic Tension Meter measures belt tension by analyzing the harmonic characteristics of a vibrating belt. Belts, like strings, vibrate at a particular natural frequency based on mass, tension and span length.

- > Compact and lightweight
- > Easy to use
- > LCD screen with backlight
- > Output in hertz, pounds, newtons or kilograms
- > Frequency range from 10-5000 hertz
- > Memory registers for 20 belt constant sets
- > Gates PN 7420-0507



### SIMPLE TO USE

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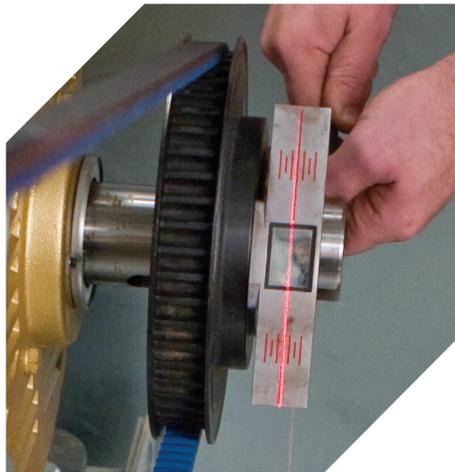
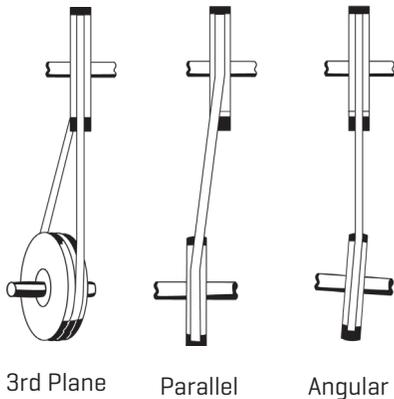
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\*The ideal tension values, along with the belt mass constant, belt width and span length, can be found by entering drive parameters into Design Flex® Pro™ or Design Flex Web™ at [www.gates.com/drivedesign](http://www.gates.com/drivedesign).



## EZ ALIGN®

### Examples of Pulley Misalignment



### ALIGNMENT HAS NEVER BEEN SO EASY

With Gates EZ Align® precision laser alignment device you can align all of your industrial belt drives quickly and easily with just one tool.

- > Fast and easy to use
- > Shows misalignment in three planes
- > One-person operation
- > Durable carrying case included
- > Gates PN 7420-1000

### ALSO AVAILABLE IN GREEN! EZ ALIGN® GREEN LASER

- > 10 times brighter
- > Better visibility in high ambient light conditions
- > Higher visibility over longer distances, up to 15 feet
- > Gates PN 7420-3000

### SIMPLE TO USE

More accurate than any other tool or conventional method, the Gates EZ Align® quickly identifies common types of misalignment, including angular, parallel and 3rd plane misalignment. It is lightweight, compact and durable, with no small parts or targets that can get lost. The EZ Align can measure spans up to 6 feet or better and can be used on any size pulley, large or small.

- > 1. Magnetically attach the two components to the inside or outside face of any sheave or sprocket.
- > 2. Turn on the power - a laser line is projected from the transmitter component to the reflector component and from the reflector back to the transmitter.
- > 3. The laser line reflected back to the transmitter shows angular shaft misalignment while the laser line of the reflector shows parallel and 3rd plane angular shaft misalignment.
- > 4. Adjust the sheaves or sprockets as needed to achieve proper alignment.