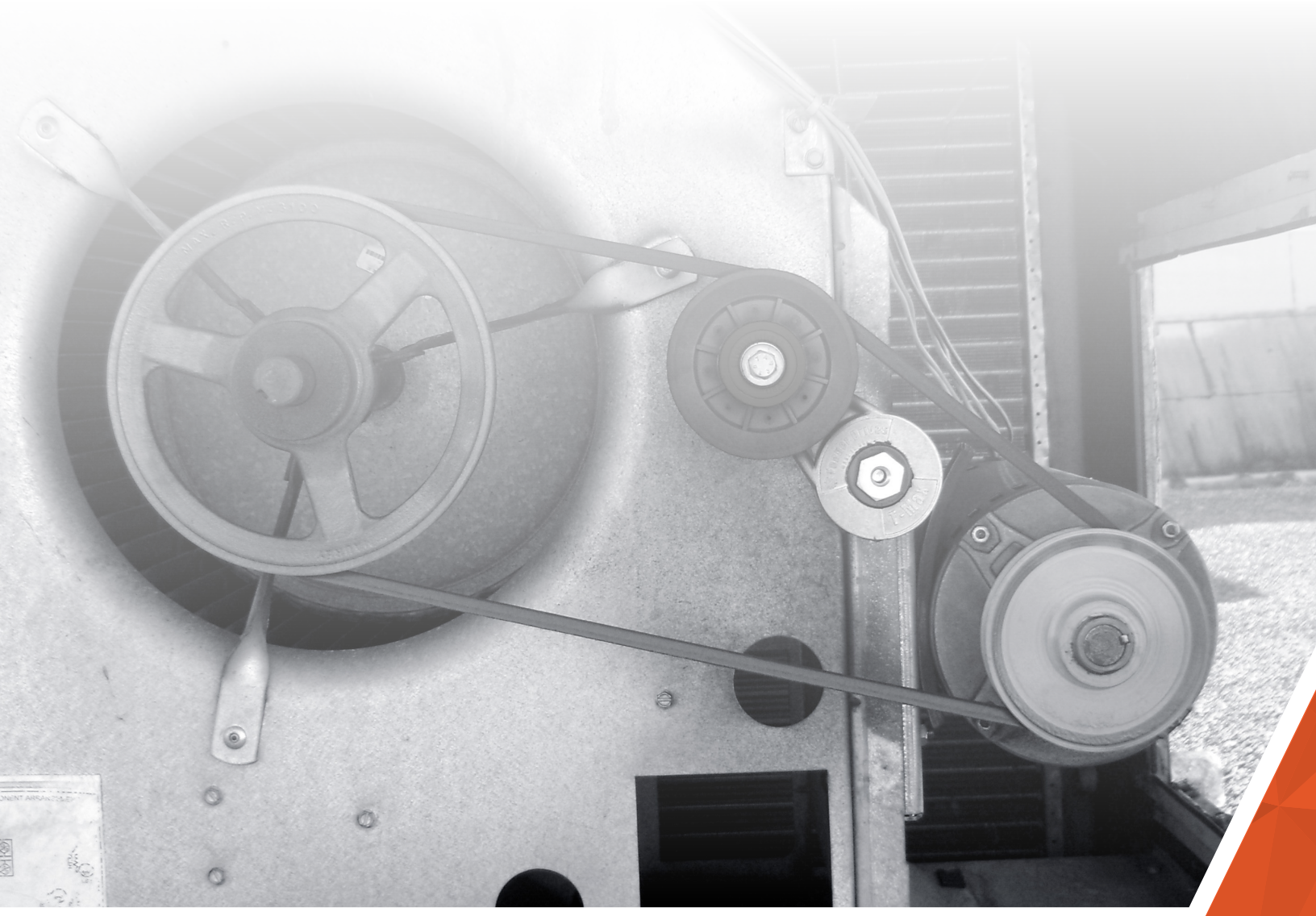
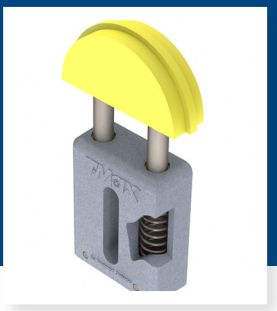
BELT & CHAIN TENSIONERS





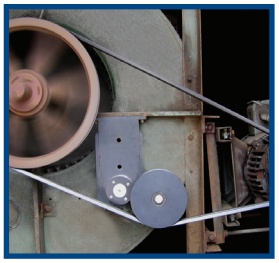
Fenner Drives®

Take Up the Slack...Automatically

When used in power transmission drives, all V-belts and roller chains will elongate significantly over time if not properly maintained. This can cause energy losses for belt and chain drives. In addition, incorrect belt or chain tension will lead to increased downtime, lower equipment productivity and inflated maintenance costs. To achieve optimum drive performance, correct drive belt or chain tension must be maintained. The solution? A self-adjusting T-Max® Tensioner from Fenner Drives. T-Max automatic tensioners eliminate the need for regular manual retensioning of drives. The risk of inadvertently over-tensioning drive components is avoided and overall drive operating efficiency is enhanced.

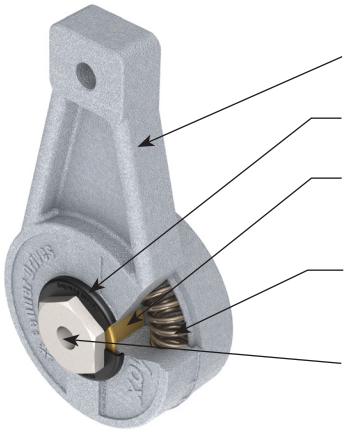
Combined with a PowerMax™ idler pulley or chain sprocket from Fenner Drives, an automatic T-Max Tensioner can be used to:

- Extend the life of critical drive components
- Reduce system downtime
- Increase drive efficiency
- Reduce belt and chain whip on long center drives
- Ensure drive components do not snag obstructions
- Reduce resonant frequency of chain drives



RT3000 and PowerMax™ Idler installed on an industrial air mover

T-MAX® Light-Duty Rotary Tensioners



RT1000 Series

BODY – Rugged, die-cast aluminum.

DEBRIS WASHER – Prevents contaminants from seeping in and causing premature wear. Patent Pending.

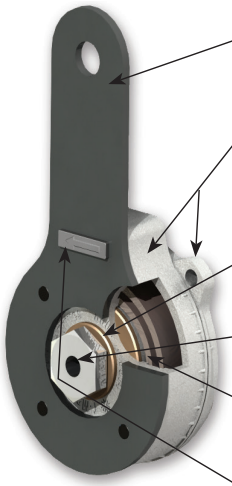
BUSHING – Oil-impregnated, sintered bronze bushing is used to provide smooth, reliable movement at all wear points. Bushing is positioned by a press-fit and never needs lubrication.

SPRINGS – Alloy steel, accurately wound compression springs are used to provide consistent tensioning force. Grease-lubricated to ensure not only quiet operation, but also long life.

MOUNTING HOLE – Single bolt design for both mounting and tension adjustment.

- Easy installation and adjustment with single bolt feature
- Wide variety of sizes and mounting styles
- Improved performance and extended life for most fixed-center drives
- Built-in spring mechanism absorbs momentary overloads and reduces vibration
- Graduated scale tension adjustment

Medium-and Heavy-Duty Rotary Tensioners



RT3000 Series

ARM – Heavy duty, stamped steel construction.

HOUSING & BASE – Rugged, die-cast aluminum construction.

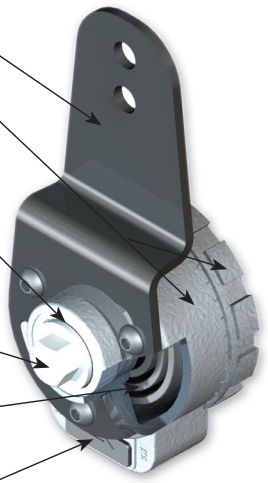
BEARING – Incorporates two sealed radial ball bearings to provide high load capacity.

BUSHING – Oil-impregnated, sintered bronze bushing is used to provide smooth, reliable movement at all wear points.

MOUNTING HOLES – Single bolt design for mounting and tension adjustment.

SPRING – Alloy steel torsional wrapped spring which may be reversed to allow bi-directional use.

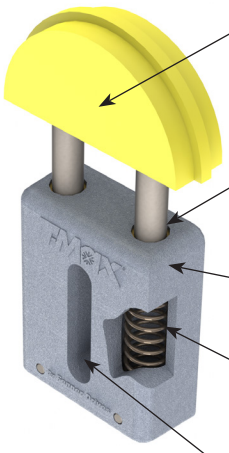
DIRECTIONAL ARROW – Ensures proper installation; must always point toward belt or chain being tensioned.



RT4100 Series

- Rugged, heavy-duty construction for heavy load applications
- Designed for use with single or multiple belts or strands of chain
- No elastomeric tension members to cold-flow, fatigue or take a compression set
- Torsion spring absorbs momentary overloads and reduces vibration

Linear Tensioners



CT Series

UHMW HEAD – Self-lubricating properties are ideal for chain drives.

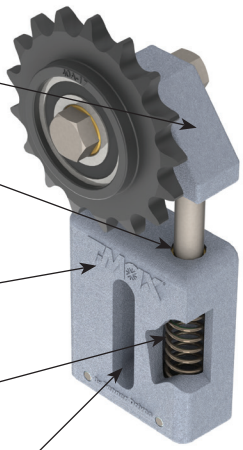
MOUNTING BLOCK – Aluminum triangular mounting block has tapped or thru-holes for mounting chain sprockets.

BUSHINGS – For smooth, reliable movement at all wear points, oil-impregnated, sintered bronze bushings are positioned by a press-fit and never need lubrication.

BODY – Rugged, die-cast aluminum with thick wall sections and machined interface surfaces for proven durability.

SPRINGS – Alloy steel, accurately wound compression springs are used to provide consistent tensioning force. Grease-lubricated to ensure not only quiet operation, but also long life.

MOUNTING SLOT – Single bolt for mounting and for tension adjustment.



LT Series

- Fully automatic straight-line take up
- Extended life through improved performance on most fixed-center drives
- Single bolt feature offers easy installation and adjustment
- Reduced vibration as built-in spring mechanism absorbs momentary overloads
- Available in a wide range of sizes and mounting styles to fit your unique application

Fenner Drives®

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