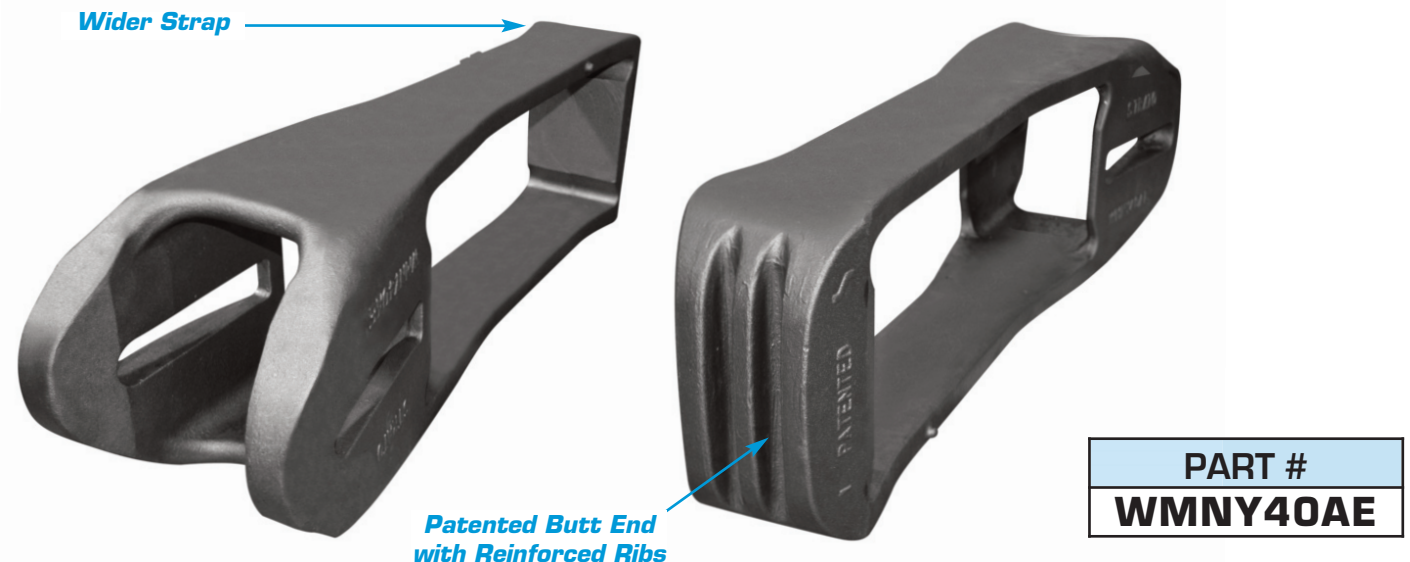


HEAVY DUTY LONG-LIFE YOKES

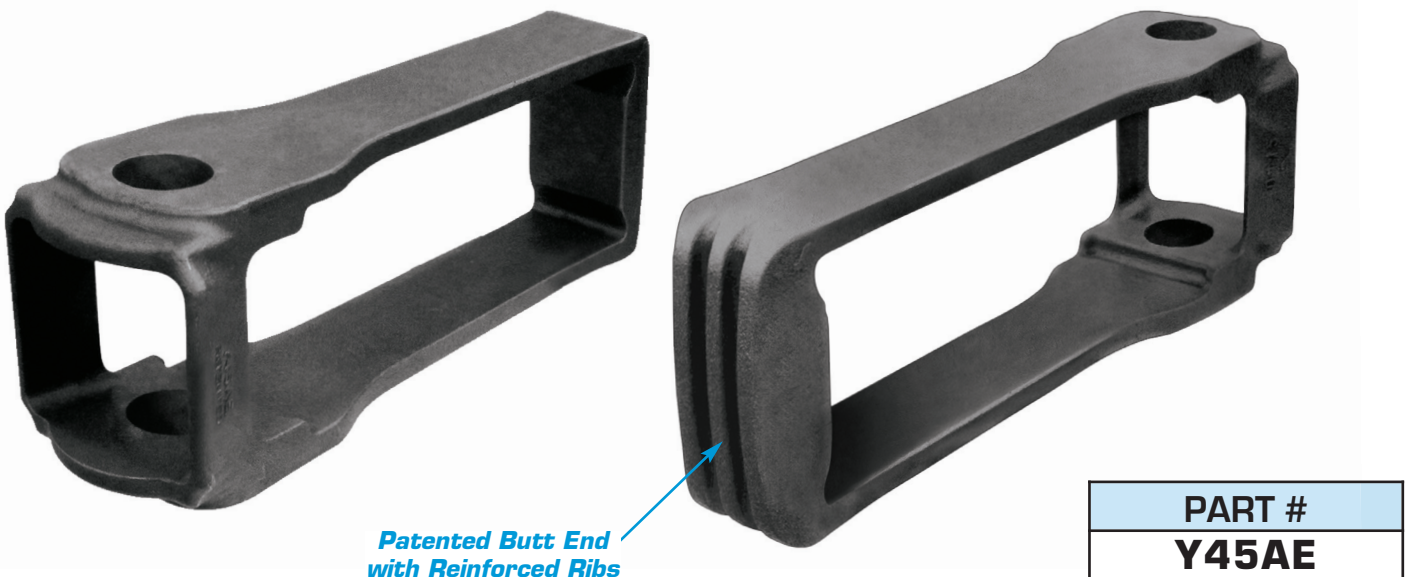
DESIGNED FOR INCREASED STRENGTH AND PERFORMANCE

E - YOKE

Design improvements on Strato's E-Yoke increased fatigue life up to ten times.



F - YOKE



Customer Service - Phone: (800)792-0500 Fax: (800)378-7286

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100 New England Avenue, Piscataway, NJ 08854

HEAVY DUTY LONG-LIFE YOKES

DESIGNED FOR INCREASED STRENGTH AND PERFORMANCE

Features

Benefits

Design

Rib Design

Weakest points in a conventional yoke were strengthened three ways to reduce stresses, cracks, and prevent failure.

Wider Strap

26% wider at critical transition to reduce cracks and stretching.

Shorter Nose

Easier to install and remove.

Zero Draft Angle Key Slot

Parallel pulling faces prevent key slot damage - resulting in longer life for both the yoke and key.

Total Effect

Fatigue models used to design new cars have shown an increase in the fatigue life of our new E-yoke over 10 times due to our design improvements.

Investment Casting

Reduces Chance of Porosity

Reduces issues related to porosity that may cause premature failure.

Smooth Surface -
No Parting Line

Eliminates stress risers that can lead to cracks and eliminates grinding that causes surface discontinuities.

Tighter Tolerances

Better fit with no grinding.

New

Improved Alloy Material

Improved metallurgy and heat treating process gives our steel a 20% increase over M-201 minimums. Higher yield strengths, stronger but not more brittle, resulting in greater fatigue resistance. Modeling shows a 20x increase in fatigue life from steel alone.

Test Results

Strength Testing

Both E and F-yokes tested to 1.4 million lbs. in tensile tests; 50% higher than in conventional yokes.

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