Technical Service Bulletin
SSB Performance

A.STUCKI

SSB REVOLUTIONARY DESIGN

Are SSB's really different? *You had better believe it.* This design is a complete revolution in Constant Contact Side Bearing operation in many ways:

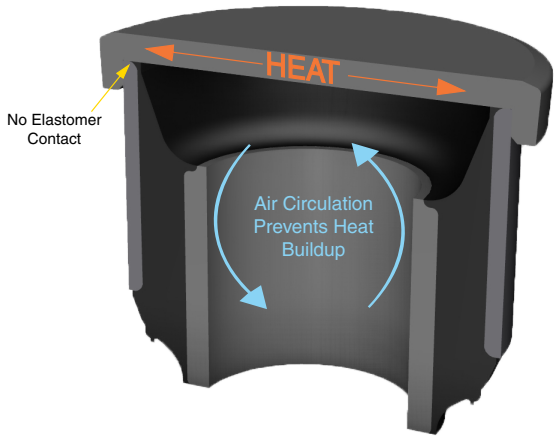
1 - SSB's are impossible to overheat in service as there is NO CONTACT between the wear cap and elastomer allowing heat to conduct. Side bearings in dynamic service situations can reach over 350 DegF.

2 - 3.5 Million mile simulations have been endured by SSB's without reaching <u>any</u> critical performance decay.

3 - Materials are stretched, not compressed to eliminate permanent setting of the material.

4 - Shear bonded materials are positioned outside the edges of the side bearings yielding greater stiffness and improved truck hunting control. All of these features provide for the best Constant Contact Side Bearing performance ever delivered to the freight car industry.

See actual Performance Results on back.



Shear Side Bearing Cutaway View
No Elastomer Contact - Air Gap Insulator
Elastomer Materials are NOT Compressed

WHAT ABOUT SHEAR TECHNOLOGY?

Shear Technology	• Stretches Elastomer vs. Compression • Captures strength of materials • Avoids preload decay over time • Steady Force-Displacement increases
Long Term Preload Retention	• Unparalleled Sustainability and Performance • Constant Truck Turning Control • Excellent track negotiation
Perfect Insulation	• No Cap to Elastomer Contact • Heat protection provided by large air gap • No Heat Conduction
Controlled Quality	• Immediate car settling following jacking • Solid, quick Center Bowl Contact • Predictable dynamic results
Maximum Truck Control	• Complete SB performance optimizes complete truck performance • Elastomer located outside of center

A.STUCKI
Shear Side Bearings
demonstrate
Optimum Performance
and Best Choice
for High Mileage
Freight Car Trucks

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TECHNICAL SPECIFICATIONS

Initial Laboratory Test	AAR M948 Qualified as **Premium Side Bearing**
High Mileage Experience	Real world experience after 8 and 10 years demonstrates the sustained value of Shear Side Bearing Technology. Aged units operate just like new.
Sustained Hunting Control	Maximized preload demonstrates the Best protection for truck and freight car assets under severe duty service.
eXTended Travel	Allows excellent track curve negotiation during spiral entries and exits
Life Cycle Cost	800,000 Service miles prove that SSB Technology can endure the hardships of extended railroad service in high speed, high mileage applications. Minimal loss of preload retention means replacement intervals become higher. Why take risks using inferior components at the sacrifice of your railcar fleet?
Minimize Inventory	Only two parts need be inventoried. No other side bearing compares. It doesn't get any easier than that.
Models Sizes Available	Shear Side Bearings are available in 4000lbs, 5000lbs, and 6000lbs preloads.

Don't be fooled by ***"ornamental"*** truck parts that just go along for the ride!
Buy **value, performance,** and **safety** with the **BEST Stucki Shear Side Bearings.**

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Side Bearing Preload Retention After 800,000 Miles

Data Based on 24 Actual Side Bearing Samples removed from High Mileage Freight Cars and 8-10 Years of High Speed Service Life.