1. This pocket guide provides recommended procedures for the inspection of products manufactured and reconditioned by the A. Stucki Company, including truck side bearings, body side bearings, friction wedges, column guide wear plates, springs, hydraulic stabilizers, hand brakes, brake beams, center bowl and brake beam liners, couplers, yokes, coupler mounting brackets, draft gears, and grating.

This guide is intended primarily for product identification, inspection, and maintenance guidance and does not cover initial product installation procedures. To obtain the latest news and information on all of Stucki’s products, including drawings and installation instructions, please visit our website at www.stucki.com.
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2. Truck and Body Side Bearings

**Fig. 2.1 Shear Side Bearing (SSB®)**
Replacement cages are ordered by specifying preload, i.e. 6000XT Cage, where 6000 = preload, XT for extended travel.

**Fig. 2.2 Column Side Bearing (CSB®)**
Replacement cages are ordered by specifying preload, i.e. 6000XT Cage, where 6000 = preload, XT for extended travel.
Fig. 2.3 Compact Column Side Bearing
Replacement cages are ordered by specifying preload, i.e. CCB6000XT Cage, where 6000 = preload, XT for extended travel. Also available in 2200lb & 3000lb preload. The 2200lb & 3000lb models are not for interchange service.

Fig. 2.4 RetroXT LP Bolt-On, 4500lb Preload
**Fig. 2.5 RetroXT LP Drop-In, 4500lb. Preload**
For monocast or welded bolster pocket, approximately 4-1/4” x 9-1/4”, low profile design.

**Fig. 2.6 RetroXT LPC Drop-In, 4500lb. Preload**
For monocast or welded bolster pocket, approximately 3-1/2” x 8-1/4”, low profile design.
**Fig. 2.7 RetroXT SP Drop-In, 4500lb.**
For monocast or welded bolster pocket, approximately 4-1/4” x 9-1/4”, standard profile design.

**Fig. 2.8 RetroXT 5400B, 5400lb. Preload**
This is an extended travel upgrade for the 688-B, the ISB-9DR, the ISB-12 and the 688-B. This drop-in kit is for application to existing cages and does not include a new cage.
**Fig. 2.9 RetroXT 5400C, 5400lb. Preload**
This is an extended travel upgrade for the 656-CR, the 656-CRH and the 656-C. This drop-in kit is for application to existing cages and does not include a new cage.

**Fig. 2.10 RetroXT 4500, 4500lb. Preload**
This is an extended travel upgrade for the 690-RL. This drop-in kit is for application to existing cages and does not include a new cage.
**Fig. 2.11 656-CR, 6000lb. Preload**
The 656-C cage can accept the RetroXT 5400C upgrade kit to convert to extended travel. Model 656-CRL uses RB-14s with a preload of 3500lb.

**Fig. 2.12 688-BR, 6000lb. Preload**
This 688-B cage can accept the RetroXT 5400B upgrade kit to convert to extended travel.
**Fig. 2.13 690-RL, 3600lb. Preload**
The 690 cage can accept the RetroXT 4500 upgrade kit to convert to extended travel.

**Fig. 2.14 656-CRH, 5400lb. Preload**
This 656-C cage can accept the RetroXT 5400C upgrade kit to convert to extended travel.
**Fig. 2.15 675-RL, 3000lb. Preload**
Model 675-RXL uses RB-35s with a preload of 2200lb.

**Fig. 2.16 685-RM, 4500lb. Preload**
Fig. 2.17 ISB-9DR, 4500lb. Preload
The RB 36 / 46 combination is no longer available and should be replaced with RB 46 / 52. In addition, the 688-B cage can accept the RetroXT 5400B upgrade kit to convert to extended travel.

Fig. 2.19 ISB-10, 4500lb. Preload
**Fig. 2.20 ISB-12, 5400lb. Preload**

This 688-B cage can accept the RetroXT 5400B upgrade kit to convert to extended travel. Model ISB-12L uses RB24s with a preload of 3000lb.

**Fig. 2.21 656-C**

The 656-C cage can accept the RetroXT 5400C upgrade kit to convert to extended travel.
**Fig. 2.22 688-B**
This 688-B cage can accept the RetroXT 5400B upgrade kit to convert to extended travel.

**Fig. 2.23 Body Side Bearings (Plate & Wedge)**
Various length and hole center combinations are available for models 438P, 458P, 558P, 4W and 5W. Contact A. Stucki Company for specific applications.
YARD AND SHOP INSPECTION

Physically identify the side bearing model from the illustrations in Section 2 Truck and Body Side Bearings. Be sure all components for that model are present and in the correct orientation. Missing or damaged components should be replaced in kind.

If the car is shopped, chock the wheels, safely lift the car, and follow standard safe operating procedures.

CAGE

Inspect cages for cracks, flaws, or unusual deformation. The cage must be securely fastened to the truck bolster. If shopped, tighten or replace loose fasteners according to A. Stucki Company’s installation instructions for respective side bearings. Broken or cracked cages must be replaced.
BODY SIDE BEARING
Plates or wedges must be securely tightened (torque bolts to minimum of 300 ft-lb) and tack welded.
Fastener heads must be recessed below the bearing surface of the wear plate or wedge.
All bearing surfaces should be flat or convex (1/16” maximum).
If shopped, replace plates or wedges if surface variations between fastener holes are greater than 1/8” or greater than 1/16” over any 4” span. The wear surface of the plate or wedge must be parallel to the side bearing mounting surface of the truck bolster to within 1/16” across the width and 1/8”along the length. Heavy rust or surface projections may be removed by grinding.
Please refer to AAR Specification S-235 and Rule 61 in the AAR Field Manual for additional requirements.

ROLLER
For shop inspection, rollers should be replaced if they have a diameter less than that shown in the table below:

<table>
<thead>
<tr>
<th>ROLLER SIZE (IN)</th>
<th>MINIMUM DIAMETER (IN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 X 3</td>
<td>1-15/16</td>
</tr>
<tr>
<td>3 X 3</td>
<td>2-7/8</td>
</tr>
<tr>
<td>4 X 3</td>
<td>3-13/16</td>
</tr>
</tbody>
</table>

The roller should also be replaced if the edges are deformed to the point that the roller will not roll freely in the cage or the chamfer cannot be seen.

END CLOSURE
End closures must be in place and not broken. ISB models have only one end closure.

RESILIENT ELEMENT
Resilient elements should be checked for any excessive deformation. If signs of severe cracking, bulging or deformation exist, replace the block in kind.
Refer to Rule 62 in the AAR Field Manual for additional requirements. Note that the 688-BR and 690-RL cars should not be shopped for repairs for a single block having a missing top portion. Replace the defective block when the car is next shopped for required maintenance or other repairs. Bad-order the car only if two or more block tops are missing.

Shop inspection additionally requires checking for cracks and gouges. Some elements (RB-46, RB-56, RB-57, RB-58, RB-59 & CSB® Column) are composed of a single material, while others consist of two materials. Most dual material designs will exhibit slight separation at the horizontal interface of those two materials. Blocks showing superficial horizontal separation do not need replaced. As a rule, if the interface can be manually opened to reveal 50% or more of the interface surface, the block should be replaced.

Vertical cracks are acceptable unless there are more than two cracks, greater than 1/2” in length, located in the bottom portion of the block. Cracked or missing top edges of wedge-shaped blocks do not affect its performance and is not cause for renewal.

**ROCKER**

Rockers may not always be seated on the bottom of the cage, and clearance should not be used as a setup height criterion. While in service, vertical movement may occur. This has no effect on the performance of the side bearing. Rockers contact the body side bearing as the car rocks or leans. Light wear of the upper and lower surfaces of the rockers is normal and should be replaced if the diameter is less than 3-7/8”. 
**Free Height Measurement**

The suitability of the resilient blocks for continued service can be determined by their free height measurement. Allow the blocks to relax at least one hour at room temperature after removal from the car. Then measure the height from the base to the highest point on the block (see Table 2.2).

<table>
<thead>
<tr>
<th>Block Type</th>
<th>Minimum Allowable Free Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB-9</td>
<td>4-3/16”</td>
</tr>
<tr>
<td>RB-11</td>
<td>4-5/16”</td>
</tr>
<tr>
<td>RB-14</td>
<td>4-1/4”</td>
</tr>
<tr>
<td>RB-17</td>
<td>4-3/16”</td>
</tr>
<tr>
<td>RB-24</td>
<td>3-5/8”</td>
</tr>
<tr>
<td>RB-27</td>
<td>3-13/16”</td>
</tr>
<tr>
<td>RB-34</td>
<td>3-3/4”</td>
</tr>
<tr>
<td>RB-35</td>
<td>3-17/32”</td>
</tr>
<tr>
<td>RB-36</td>
<td>4-7/16”</td>
</tr>
<tr>
<td>RB-42</td>
<td>3-7/16”</td>
</tr>
<tr>
<td>RB-46</td>
<td>4-3/16”</td>
</tr>
<tr>
<td>RB-52</td>
<td>4-7/16”</td>
</tr>
<tr>
<td>SSB® Cap Assembly</td>
<td>4-15/16”</td>
</tr>
<tr>
<td>CSB® Column</td>
<td>4-5/16”</td>
</tr>
<tr>
<td>RB-56</td>
<td>3-11/16”</td>
</tr>
<tr>
<td>RB-57</td>
<td>2-5/16”</td>
</tr>
<tr>
<td>RB-58</td>
<td>2-5/16”</td>
</tr>
<tr>
<td>RB-59</td>
<td>3-11/16”</td>
</tr>
</tbody>
</table>
**Shelf Life Criteria and Date Codes**

A. Stucki Company recommends a maximum shelf life of 5 years for all of our elastomer components, which includes RB Blocks, CSB® Columns, SSB® Elements, and RFE Pads. The shelf life is defined as the time from the manufacturing date of the parts until they are installed on the car. Please refer to Figures 2.24 and 2.25 for the proper methods of determining the manufacturing date.

**Warning**
Always use A. Stucki OEM replacement blocks for all Stucki side bearing designs. Failure to do so voids all Stucki support and warranty for Stucki cages and any resulting static or dynamic performance behavior. All side bearing warranties are null and void when using nonOEM replacement blocks as freight car, truck performance, and/or wheel wear issues could arise.
VERTICAL SETUP HEIGHT INSPECTION

Rule 62 of the AAR Field Manual contains detailed condemning limits for the inspection of side bearing setup heights in the shop, on a repair track, or at any time. Tables 2.3 and 2.4 provide the specific location in Rule 62 to find these criteria based on the particular side bearing application.

<table>
<thead>
<tr>
<th>SIDE BEARING APPLICATION</th>
<th>RULE 62 SETUP HEIGHT CONdemning LIMIT</th>
<th>STUCKI MEASUREMENT TECHNIQUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Axle Cars and End Trucks of Articulated Cars</td>
<td>Section A.1.h.(1)</td>
<td>Stucki Fig. 2.26 (Pg 42)</td>
</tr>
<tr>
<td>Articulated Positions of Articulated Cars</td>
<td>Section A.1.h.(2)</td>
<td>Stucki Fig. 2.26 (Pg 42)</td>
</tr>
<tr>
<td>Cars with Solid Block Style Side Bearing Pockets (RetroXT LP, LPC and SP)</td>
<td>Section A.1.h.(3)</td>
<td>Stucki Fig. 2.27 (Pg 43) and Stucki Fig. 2.28 (Pg 44)</td>
</tr>
</tbody>
</table>

If applying new, 12” graphite lube disks or non-metallic bowl liner when constant contact side bearing measurements are being made, add an additional 1/16” to the nominal height for any single side bearing measurement and 1/8” to any nominal sum-of-the-pair measurements.
**Fig. 2.26 How to Measure Vertical Setup Height**
Place measuring tool as close to SB center as possible.

**Fig. 2.27 Vertical Setup Height for RetroXT LP Drop-In, Bolt-On and SP Drop-In**
Table 2.4 Vertical Setup Height (Shop or Repair Track)

<table>
<thead>
<tr>
<th>Side Bearing Application</th>
<th>Rule 62 Setup Height Condemning Limit</th>
<th>Stucki Measurement Technique</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Axle Cars and End Trucks of Articulated Cars</td>
<td>Section A.2.a.(1)</td>
<td>Stucki Figure 2.26 (Page 42)</td>
</tr>
<tr>
<td>Articulated Positions of Articulated Cars</td>
<td>Section A.2.a.(2)</td>
<td>Stucki Figure 2.26 (Page 42)</td>
</tr>
<tr>
<td>Cars with Solid Block Style Side Bearing Pockets (RetroXT LP, LPC and SP)</td>
<td>Section A.2.a.(3)</td>
<td>Stucki Figure 2.27 (Page 43) and Stucki Figure 2.28 (Page 44)</td>
</tr>
</tbody>
</table>

If applying new, 12” graphite lube disks or non-metallic bowl liner when constant contact side bearing measurements are being made, add an additional 1/16” to the nominal height for any single side bearing measurement and 1/8” to any nominal sum-of-the-pair measurements.
All side bearing setup height measurements should be taken . . .

- On straight and level track
- As close to the center of the side bearing as possible

Be alert to the possibility of encountering shims under side bearing cages. This practice should be avoided, but when present, measurement must reference to the top of these shims, rather than the mounting surface of the bolster.

If the appropriate Rule 62 setup height condemning limits are exceeded and the car is empty, it must be shopped and the car body side bearing shims adjusted to obtain the specified setup height. Refer to Vertical Setup Height Correct Repairs on Page 47.

**VERTICAL SETUP HEIGHT CORRECT REPAIRS**

If inspection measurements reveal that the side bearing setup height violates the Rule 62 condemning limits, then body side bearing shim adjustments are required to correct the out-of-specification condition.

To increase the setup height, shims must be removed. Likewise, to reduce the setup height, shims must be added to the car body side bearing. Do not place shims under side bearing cages to adjust setup heights, unless shimming beneath cages is the only option.
When adjusting side bearing setup height in the shop, the vertical distance between the body side bearing wear plate or wedge and the truck bolster surface to which the side bearing is mounted must be 5-1/16” ± 1/16” unless otherwise stenciled on the car body (Figure 2.29).

For the RetroXT LP and SP side bearings, the vertical space between the top of the cage and the underside, or wearing surface of the body side bearing wear plate or wedge must be 11/16” ± 1/16”. For the RetroXT LPC side bearing, the vertical space between the top of the notch and the underside, or wearing surface of the body side bearing wear plate or wedge must be 11/16” ± 1/16” (Figure 2.30).
These measurements assume that the car is empty, positioned on reasonably level track, and has positive centerplate contact. Tops of metal rockers or rollers should not be used as reference points to measure setup height for constant contact side bearings.

If the car is equipped with any type of new 12” graphite lube discs or elastomeric center bowl liner, it must be in place when measuring for setup height adjustment. In addition, side bearing setup heights should be adjusted to 3/4” ± 1/16” for all RetroXT LP, LPC or SP side bearings and 5-1/8” ± 1/16” for all other side bearing products.

Never relubricate a side bearing in service, unless the metal caps or body side bearings are being replaced. In this case, apply a 1-1/2” diameter dab of lithium based grease to the center of the side bearing cap. This allows the body side bearing wear plate surface to polish, resulting in smooth consistent turning of the truck.

**Vertical Setup Height and Wear Indicators**

Figures 2.31, 2.32, 2.33, 2.34 and 2.35 highlight reference indicators which can be used for quick visual inspection of wear or proper setup height. Please note, the setup height indicators are for reference only and should not be used when installing new side bearings or making side bearing setup height adjustments on a repair track or in the shop.

Cap wear limit indicators for all CCB and metal capped/rolled steel cage designs are shown in Figures 2.31 and 2.32. Caps should be replaced when any wear indicator limit is worn off. Cap wear limits for all LP, SP, LPC, CSB® and SSB® designs are reached when applying a straight edge across the cap and reaching both outside edges of the cap at the same time as shown in Figures 2.33 and 2.35. Replace the cap when this condition is met.
Fig. 2.31 Setup Height Indicator for Compact Column Side Bearing
Setup is at 5-1/16” when bottom cap cutout is aligned with top of cage. Side bearing is shown at free height.

Fig. 2.32 Setup Height Indicator for Metal Capped, Rolled-Steel Cage Designs
If the top of cage is aligned at lateral center of top notch, setup height is at 5-1/16”.

Fig. 2.33 Wear Limit Indicator for RetroXT LP, LPC, SP and SSB® Side Bearings
Caps are condemnable when both vertical walls are contacted using a straight edge placed across the top of the cap.

Fig. 2.34 Setup Height Indicator for RetroXT LPC Side Bearings
Setup is at 11/16” when the bottom of cap is aligned with the base step of the LP and SP models or when cap step is aligned with top of base for the LPC model. All side bearings are shown at free height.

Fig. 2.35 CSB® and SSB® Cap

setup is at 5-1/16” when bottom cap cutout is aligned with top of cage. Side bearing is shown at free height.
**Table 2.5 Side Bearing Cross Reference**

<table>
<thead>
<tr>
<th>Stucki Side Bearing</th>
<th>Miner Side Bearing</th>
<th>Standard Car Truck Side Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stucki Side Bearing</strong></td>
<td><strong>Miner Side Bearing</strong></td>
<td><strong>Standard Car Truck Side Bearing</strong></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td><strong>Housing</strong></td>
<td><strong>Top Cap</strong></td>
</tr>
<tr>
<td>CCB-3000XT*</td>
<td>CCB-3000XT*</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CCB-4500XT</td>
<td>CCB-4500XT</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CCB-6000XT</td>
<td>CCB-6000XT</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CCB-8000XT</td>
<td>CCB-8000XT</td>
<td>CCB Wear Cap</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stucki Side Bearing</th>
<th>Miner Side Bearing</th>
<th>Standard Car Truck Side Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stucki Side Bearing</strong></td>
<td><strong>Miner Side Bearing</strong></td>
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<tr>
<td><strong>Model</strong></td>
<td><strong>Housing</strong></td>
<td><strong>Top Cap</strong></td>
</tr>
<tr>
<td>CSB-3000XT</td>
<td>3000XT</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CSB-4000XT</td>
<td>4000XT</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CSB-5000XT</td>
<td>5000XT</td>
<td>CCB Wear Cap</td>
</tr>
<tr>
<td>CSB-8000XT</td>
<td>CCB-8000XT</td>
<td>CCB Wear Cap</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stucki Side Bearing</th>
<th>Miner Side Bearing</th>
<th>Standard Car Truck Side Bearing</th>
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<tbody>
<tr>
<td><strong>Stucki Side Bearing</strong></td>
<td><strong>Miner Side Bearing</strong></td>
<td><strong>Standard Car Truck Side Bearing</strong></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td><strong>Housing</strong></td>
<td><strong>Top Cap</strong></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>SSB-4000XT</td>
<td>4000XT</td>
<td>SSB Wear Cap</td>
</tr>
<tr>
<td>SSB-5000XT</td>
<td>5000XT</td>
<td>SSB Wear Cap</td>
</tr>
<tr>
<td>SSB-6000XT</td>
<td>6000XT</td>
<td>SSB Wear Cap</td>
</tr>
</tbody>
</table>

*Note that CCB-3000XT is not for interchange service.*

All Stucki extended travel side bearings can be applied as replacement to those molds listed in the center and right hand columns. All side bearing parts must be replaced by complete unit, cage and cap and column. Both side bearings on each truck should match designs, and preferably all four locations of car for proper balance and ride quality.

---

All Stucki extended travel side bearings can be applied as replacement to those molds listed in the center and right hand columns. All side bearing parts must be replaced by complete unit, cage and cap and column. Both side bearings on each truck should match designs, and preferably all four locations of car for proper balance and ride quality.
3. SNUBBING SYSTEMS

GENERAL REQUIREMENTS

Snubbing Systems are composed of three main product groups, including friction elements, springs and column guide wear plates. These are responsible for stabilization of the truck. System wear of the snubbing column can be measured by checking friction wedge rise with a mustache gage per AAR Field Manual Rule 46 and AAR Office Manual Rule 88.

The following illustrations identify each friction element and its components. It is important that all components shown for a specific wedge are present and in good condition. Missing or severely worn RFE pads should be replaced. Pads manufactured by A. Stucki Company are identified by their orange color. Table 3.1 cross references product.
TABLE 3.1 FRICTION WEDGE CROSS REFERENCE TABLE

<table>
<thead>
<tr>
<th>MANUFACTURER</th>
<th>TRUCK TYPE</th>
<th>RESILIENT PAD</th>
<th>CONVENTIONAL WEDGE</th>
<th>SPLIT WEDGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barber 609-D</td>
<td>70T &amp; 100T Barber S-2-A</td>
<td>RFE-16 *</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>Barber 888R, 888N, 787C, 925 SW</td>
<td>70T &amp; 100T Barber S-2-B, C</td>
<td>RFE-16</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>Barber 876</td>
<td>100T S-2-D</td>
<td>RFE-16</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>Barber 834-C &amp; 915 SW</td>
<td>100T S-2-HD Heavy Duty</td>
<td>RFE-18</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17803 &amp; 17849</td>
<td>100T, 100T &amp; 125T Ride Control</td>
<td>RFE-18</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17823</td>
<td>100T RideMaster</td>
<td>RFE-26</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17815 &amp; 17852</td>
<td>100T Super Service Ride Control</td>
<td>RFE-53</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17882</td>
<td>100T Motion Control</td>
<td>RFE-53</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17882</td>
<td>100T Super Service RideMaster</td>
<td>RFE-53</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
<tr>
<td>ASF 17882</td>
<td>100T Motion Control</td>
<td>RFE-53</td>
<td>ASC-609D</td>
<td>ASC-787</td>
</tr>
</tbody>
</table>

* Requires use of Stucki RFE-16 D-5 wedge springs (or Barber 8432/8433 combination) with 3/8" Stucki Shim plate.

Fig. 3.1 RFE-16 FOR BARBER® S-2-B, C TRUCKS

Fig. 3.2 RFE-18 FOR RIDE CONTROL® TRUCKS
Fig. 3.3  RFE-26  
FOR SUPER SERVICE RIDE CONTROL® TRUCKS

Fig. 3.4  RFE-41  
FOR BARBER® S-2-HD TRUCKS

Fig. 3.5  RFE-51  
FOR BARBER® S-2-D TRUCKS

Fig. 3.6  RFE-53  
FOR SUPER SERVICE RIDE MASTER® TRUCKS
Fig. 3.7  ASC-609D  Friction Casting for Barber® S-2-A Trucks

Fig. 3.8  ASC-787C  Friction Casting for Barber® S-2-B, C Trucks

Fig. 3.9  ASC-834CB  Friction Casting for Barber® S-2-HD Trucks

Fig. 3.10  ASC-876  Friction Casting for Barber® S-2-D Trucks
Fig. 3.11 ASC-17803 for Ride Control® Trucks

Fig. 3.12 ASC-17815 for Super Service Ride Control® Trucks

Fig. 3.13 ASC-17823 Split Wedge for Ride Master® Trucks

Fig. 3.14 ASC-17882 for Super Service Ride Master® or Motion Control
Fig. 3.15 ASC-915 Split Wedge for Barber® S-2-HD Trucks
ASC-5821 Wedge Inserts also available.

Fig. 3.16 ASC-925 Split Wedge for Barber® S-2-B, C Trucks
ASC-5824 (Thick) & ASC-5286 (Thin)
Wedge Inserts also available.

Fig. 3.17 Column Guide Wear Plate All Popular Sizes
Contact A. Stucki Company for specific applications.
**YARD INSPECTION**

Inspect wear indicators on the vertical face of the wedge. Replace wedges when the wear indicators are no longer visible. New wedges will have approximately 3/8” of wear indicator visible. A mustache gage can be used to check wedge rise for all wedge designs. Wedge rise limits for RFEs and split wedges are the same as for the conventional friction shoes they replace (see AAR Field Manual, Rule 46). For the RFEs 18 and 26, wedge rise is excessive when the hole on the front of the casting is entirely above the top plate of the bolster. The RFE-16 wedge rise limit indicator is the bottom of the face wear indicator itself.

Check top edge of resilient urethane pads for flush seating against the wedge and bolster pocket. Any pad cracks above the area of contact with the bolster pocket are acceptable and are not cause for renewal.

**SHOP INSPECTION**

In addition to the previous yard inspection procedures, inspection in the repair shop should include the following procedures:

**COLUMN GUIDE WEAR PLATE**

Check closely for cracks, loose or missing fasteners, or excessive wear, and replace as necessary. Refer to AAR Specification S-3003 and Field Manual Rule 48, Table 1. Column guide wear plates must be reasonably parallel, and spacing between plates must be in accordance with AAR requirements.

**RFE CASTING**

Wedges having obvious cracks must be replaced.

**WEDGE**

If wedge rise measurements indicate wedges are above condemnable heights, both complete wedges should be replaced. The exception is if resilient pad(s) are severely damaged, and casting has at least 3/16” face wear indicator remaining,
then it is acceptable to replace the pads only. Pry old pads from the casting with a screwdriver, and install new pads by aligning the post on the back of the pad with the hole in the sloped face of the casting. Strike the pad face with a mallet to seat it onto the casting.

**Elastomer Pads**
Patches of dark, flaky material on the faces of the pads are common, and produce no detrimental effects. This is not cause for renewal. Missing or severely worn RFE pads should be replaced.

In the case of the RFE-18, RFE-26 and RFE-53, if cracks emanating from the upper or lower corners of the pads have extended downward toward the center of the pad more than 3/4”, then cracked pads should be replaced.
Springs can be identified by the markings on the tapered ends or by physical identification using Tables 3.2 and 3.3. Broken wedge springs must be replaced. Free heights of springs should be checked.

### Table 3.2 Control Coils Table (inches)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Bar Diameter</th>
<th>Outer Diameter</th>
<th>Solid Height</th>
<th>Free Height</th>
<th>Scrap Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>B353</td>
<td>13/16</td>
<td>4 7/8</td>
<td>6 9/16</td>
<td>11 3/16</td>
<td>10 5/8</td>
</tr>
<tr>
<td>B354</td>
<td>17/32</td>
<td>3 1/8</td>
<td>6 9/16</td>
<td>11 1/2</td>
<td>10 15/16</td>
</tr>
<tr>
<td>B421</td>
<td>43/64</td>
<td>3 11/16</td>
<td>6 9/16</td>
<td>10 3/8</td>
<td>9 15/16</td>
</tr>
<tr>
<td>B422</td>
<td>13/32</td>
<td>2 3/16</td>
<td>6 1/16</td>
<td>9 3/4</td>
<td>9 5/16</td>
</tr>
<tr>
<td>B432</td>
<td>43/64</td>
<td>3 7/8</td>
<td>6 9/16</td>
<td>11 1/16</td>
<td>10 1/2</td>
</tr>
<tr>
<td>B433</td>
<td>7/16</td>
<td>2 13/32</td>
<td>6 15/16</td>
<td>11 3/8</td>
<td>10 13/16</td>
</tr>
<tr>
<td>3023</td>
<td>9/16</td>
<td>3 1/4</td>
<td>4 7/8</td>
<td>7 9/16</td>
<td>7.125</td>
</tr>
<tr>
<td>3024</td>
<td>3/8</td>
<td>2</td>
<td>4 7/8</td>
<td>7 1/4</td>
<td>7</td>
</tr>
<tr>
<td>3091</td>
<td>19/32</td>
<td>3 1/4</td>
<td>4 7/8</td>
<td>7 5/16</td>
<td>7</td>
</tr>
<tr>
<td>3092</td>
<td>3/8</td>
<td>1 15/16</td>
<td>4 7/8</td>
<td>7 3/16</td>
<td>7</td>
</tr>
<tr>
<td>5062</td>
<td>25/32</td>
<td>5</td>
<td>6 1/2</td>
<td>12 9/16</td>
<td>12</td>
</tr>
<tr>
<td>5063</td>
<td>17/32</td>
<td>3 5/16</td>
<td>6 1/2</td>
<td>12 11/16</td>
<td>12 1/8</td>
</tr>
</tbody>
</table>
### Table 3.3 Load Coils Table (inches)

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>BAR DIAMETER</th>
<th>OUTER DIAMETER</th>
<th>SOLID HEIGHT</th>
<th>FREE HEIGHT</th>
<th>SCRAP HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2 Inner</td>
<td>11/16</td>
<td>2 15/16</td>
<td>6 5/8</td>
<td>8 1/4</td>
<td>7 15/16</td>
</tr>
<tr>
<td>D2 Outer</td>
<td>1 7/32</td>
<td>5 1/2</td>
<td>6 5/8</td>
<td>8 1/4</td>
<td>7 15/16</td>
</tr>
<tr>
<td>D3 Inner</td>
<td>21/32</td>
<td>3 1/4</td>
<td>6 9/16</td>
<td>9 1/16</td>
<td>8 5/8</td>
</tr>
<tr>
<td>D3 Outer</td>
<td>1 1/16</td>
<td>5 1/2</td>
<td>6 9/16</td>
<td>9 1/16</td>
<td>8 5/8</td>
</tr>
<tr>
<td>D4 Inner</td>
<td>5/8</td>
<td>3 3/8</td>
<td>6 9/16</td>
<td>9 5/8</td>
<td>9 1/16</td>
</tr>
<tr>
<td>D4 Outer</td>
<td>1</td>
<td>5 1/2</td>
<td>6 9/16</td>
<td>9 5/8</td>
<td>9 1/16</td>
</tr>
<tr>
<td>D5 Inner</td>
<td>5/8</td>
<td>3 3/8</td>
<td>6 9/16</td>
<td>10 5/16</td>
<td>9 5/8</td>
</tr>
<tr>
<td>D5 Outer</td>
<td>61/64</td>
<td>5 1/2</td>
<td>6 9/16</td>
<td>10 1/4</td>
<td>9 5/8</td>
</tr>
<tr>
<td>D6 Inner</td>
<td>21/32</td>
<td>3 7/16</td>
<td>6 9/16</td>
<td>9 15/16</td>
<td>9 5/16</td>
</tr>
<tr>
<td>D6A Inner</td>
<td>3/8</td>
<td>2</td>
<td>5 11/16</td>
<td>9</td>
<td>8 3/8</td>
</tr>
<tr>
<td>D7 Inner</td>
<td>5/8</td>
<td>3 1/2</td>
<td>6 9/16</td>
<td>10 3/4</td>
<td>10</td>
</tr>
</tbody>
</table>

**YARD INSPECTION**

Any cracked, broken or missing springs should be replaced in kind. Any flattening of the spring coil top on all windings top to bottom, are signs of spring overload or bottoming. These should be checked for free height.

**SHOP INSPECTION**

Using a straight edge held across the top of a free standing spring, compare the free height measurement of the spring to the minimum recommended scrap height in Tables 3.2 and 3.3. If the spring does not return to the scrap height, replace in kind.
4. Hydraulic Stabilizers

Stucki hydraulic stabilizers are the only hydraulic damping units guaranteed to meet AAR Specification M-965, AAR Field Manual Rule 50 and Rule 88 to ensure safe operation of the freight car while controlling resonant rocking of high-center-of-gravity cars with D5 or D4 springs. The Stucki HydraShox™ products utilize a high pressure seal which provides superior performance and life while preserving oil reserve levels. This fluid loss is compensated for by the reserve oil. The Stucki HS-7 and HS-10 incorporate a low pressure seal on the piston rod, which may pass slight amounts of oil under normal operating conditions.

Fig. 4.1 HydraShox™ Platinum
HS-7 available unpainted / reconditioned only.
YARD AND SHOP INSPECTION

Hydraulic stabilizers should be positioned vertically upright with the body spring properly seated between the stabilizer and the bolster. Units not properly positioned or seated on the side frame must be repositioned correctly. The unit must be replaced if stabilizer body has been damaged due to bolster or side frame lug interference to allow oil leakage at damaged area. Damaged stabilizer should be scrapped.

Stucki hydraulic stabilizers have a sight glass on one side of the reservoir to check for proper operating fluid level. On the HS-7 and HydraShox™ Platinum, the window is protected from dirt by a plastic cap, which must be removed to make the visual check. If the cap is missing, clean out any dirt on the surface of the glass. (A sliver of tie wood works well for this task.) Be sure the unit is sitting in its normal upright position when inspecting the sight glass.
A flashlight may be helpful in making the sight glass inspection. Figure 4.4 illustrates one of three conditions that may be encountered during inspection.

**A. Window Full**
Unit OK

**B. Partially Full**
Replace at the next maintenance interval

**C. Empty**
Replace ASAP

**Condition A.**
The oil level in the reservoir is full. The entire glass area will appear dark, and the unit should be left in service, regardless of any external sludge accumulation.

**Condition B.**
The oil level has dropped to the sight glass window, and only the upper portion of two shiny rings appears to be reflecting light. This indicates sufficient fluid remaining in the reservoir for adequate operation; however, it is the first warning the unit should be scheduled for replacement when the car is next shopped for routine maintenance. This is not an AAR or FRA defect as foreign cars are concerned. For system cars, however, it is advisable to replace when this condition is found.

**Condition C.**
The oil level has dropped below the sight glass area, and the two shiny rings are completely visible. The unit should be replaced as soon as possible. This condition constitutes a viable AAR or FRA defect.
Stabilizers equipped with a sight glass must be inspected according to above fluid level guidelines. **Only** stabilizers not equipped with a sight glass can be removed on the basis of wet fluid or build up > 3” from the unit. See AAR Field Manual Rule 50. HS-7, and HydraShox™ Platinum units removed due to low oil level should be returned to:

A. Stucki Company  
sales@stucki.com

Please call (412) 424-0560 in advance for a shipping address.

HydraShox™ Gold and HS-10s cannot be rebuilt. Once their reserve oil has been depleted, they should be discarded. Stabilizers should be replaced in kind.

5. **Grating**

![Fig. 5.1 Stucki Grating](image)

Stucki’s grip strut style grating offerings include running boards, ramp boards, platforms, end platforms, and brake steps for all car types, including direct replacements for most existing cars. Stucki’s grating is made of 13 gauge G90 galvanized steel (G235 available upon request) and is AAR approved under S-226 and Rule 53 (Plate Type). Stucki also offers a full range of accessories, including mounting hardware, reinforcing clips, and hand grab application kits.
Table 5.1

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>11315</td>
<td>1/2” Bolt Seat</td>
</tr>
<tr>
<td>10014</td>
<td>8-3/8” x 60-1/16” Crossover Board</td>
</tr>
<tr>
<td>09597</td>
<td>8” x 60” A-END Platform</td>
</tr>
<tr>
<td>9884</td>
<td>9-7/8” x 131-1/2” Running Board</td>
</tr>
<tr>
<td>10321</td>
<td>8” x 60” B-END Platform 16-17/32”</td>
</tr>
<tr>
<td>10680</td>
<td>9-7/8” x 70” Intermediate Board</td>
</tr>
<tr>
<td>10329</td>
<td>10” x 30” Brake Step</td>
</tr>
<tr>
<td>10242</td>
<td>1-1/2” x 1” x 7/16” Reinforcing Clip</td>
</tr>
<tr>
<td>10665</td>
<td>3” x 2” x 7/16” Reinforcing Clip</td>
</tr>
<tr>
<td>11224</td>
<td>9-5/8” x 74-3/8” Brake Step, B-END</td>
</tr>
<tr>
<td>11323</td>
<td>23-7/8” x 98” Running Board</td>
</tr>
<tr>
<td>9912</td>
<td>24” x 127-1/4” X 1-1/2” Running Board</td>
</tr>
<tr>
<td>11356</td>
<td>19-1/2” x 11-15/16” Platform Board</td>
</tr>
</tbody>
</table>
6. Brake Systems

Table 6.1

<table>
<thead>
<tr>
<th>Brake Beam</th>
<th>Part Numbers for Comp. Shoe Beams</th>
</tr>
</thead>
<tbody>
<tr>
<td>#18 Fixed RC</td>
<td>18-LSRC-CH (L or R)</td>
</tr>
<tr>
<td>#18 Fixed RCL</td>
<td>18-AFRC-CH (L or R)</td>
</tr>
<tr>
<td>#18 Reversible RC</td>
<td>18-LRRC-CH (L or R)</td>
</tr>
<tr>
<td>#24 Fixed RC</td>
<td>24-LSRC-CH (L or R)</td>
</tr>
<tr>
<td>#24 Fixed RCL</td>
<td>24-AFRC-CH (L or R)</td>
</tr>
<tr>
<td>#24 Reversible RC</td>
<td>24-LRRC-CH (L or R)</td>
</tr>
</tbody>
</table>

Specify (L) Left or (R) Right.

All Stucki Brake Heads are replaceable. Quick Change Beams and Cast Iron Beams also available.
**Inspection**

Replacement of brake beams can be considered for any of the inspection criteria below. Refer to AAR Field Manual of Interchange, Rule 6 for a detailed list of wear limits, gauging and causes for renewal.

1. Any brake beam tension or compression parts which are cracked, broken or worn more than half of the metal thickness
2. Damage or wear on brake beam head (heads alone can be replaced in lieu of entire beams)
3. Twisted beams (greater than 1 inch when comparing opposite heads against wheels)
4. Worn end extensions
5. Bent or twisted struts
6. Strut pin holes worn 3/16” or more
7. Slot lever worn 1/8” or more
8. Brake shoe wear is >1” from top to bottom
9. Worn brake beam liner more than half of its original thickness

**Reversible Brake Beam Procedure**

Three steps for switching strut position RH or LH in the field (refer to Figure 5.2).

**First**
- Use screwdriver to pull retainer (e-clip) and pin (if tight, pin may be pushed from the opposite end, by the screwdriver).

**Second**
- Insert steel bar in strut lever slot.
- Tilt rotating strut 90 degrees, until the slots in end casting match slots in strut.

**Third**
- Re-insert pin with groove end last.
- Reapply retainer by hand at pin groove (push it securely in place with screwdriver).
**REPLACEABLE BRAKE HEAD PROCEDURE**

1. Remove shoe.
2. Cut Huck™ with torch and remove damaged head from brake beam assembly.
3. Position replaceable head to align holes.
4. Insert bolt through replaceable head and beam assembly combined. Apply washer assembly (large washer first, small washer next), and lock nut to threaded bolt. Tighten lock nut until orange silicon is visible (or 300 ft-lbs equivalent).
5. Install brake shoe and return to service.
Fig. 6.5 RollGuard™ Hand Brake
Group N - Long Lever
Short Lever also available.

RollGuard™ Hand Brake

Group N Features

- Long or short release levers
- Sealed, wider bearings for extended life and value
- Roller bearing at wheel/clutch axle for superior performance and smooth operation
- Lubrication free
- E-coated in rust-proof black oxide
- Certified under Hand Brake AAR Specification S-475
- Tight tolerances for reliable and consistent braking
A. Stucki Company offers RollGuard™ hand brake accessories as replacement parts or are available separately for new rail cars.

**STUCKI BRAKE SYSTEM ACCESSORIES**

- Metallic Brake Beam Wear Guide
- Non-Metallic Brake Beam Wear Guide
- Brake Shoe Key
- Brake Rod Connector (1-1/8”, 3/4” & 7/8”)
- Truck Bottom Rods
- Brake Beam Centering Wear Liner

Stucki metallic, non-metallic, or Brake Beam Centering Wear Liners (Figures 6.13 and 6.14) are designed to work with any size or manufacture of brake beam under AAR S 367.
## Table 7.1 Draft Gear Models

<table>
<thead>
<tr>
<th></th>
<th>POWRGuard XE</th>
<th>POWRGuard GXE</th>
<th>POWRGuard GX</th>
<th>DYNAMIQ 742</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Pocket</td>
<td>Fits 24-5/8”</td>
<td>Fits 24-5/8”</td>
<td>Fits 24-5/8”</td>
<td>Fits 24-5/8”</td>
</tr>
<tr>
<td>AAR Approval</td>
<td>M-901E</td>
<td>M-901E</td>
<td>M-901G</td>
<td>M-901E</td>
</tr>
<tr>
<td>Official Rating Capacity</td>
<td>47,054 ft-lbs</td>
<td>45,643 ft-lbs</td>
<td>n/a</td>
<td>42,446 ft-lbs</td>
</tr>
<tr>
<td>Approximate Weight</td>
<td>367 lbs</td>
<td>367 lbs</td>
<td>367 lbs</td>
<td>312 lbs</td>
</tr>
<tr>
<td>Travel</td>
<td>3-1/4”</td>
<td>3-1/4”</td>
<td>3-1/4”</td>
<td>3-1/4”</td>
</tr>
<tr>
<td>Maximum Rating Impact Velocity</td>
<td>n/a</td>
<td>n/a</td>
<td>5.9 mph</td>
<td>7.8 mph</td>
</tr>
</tbody>
</table>

All models require AAR Y44 standard followers for E coupler application, or Y46 follower for F coupler application.
**POWRGUARD™ Inspection Criteria**

**All conditions in or out of car**

Contact of the movable plate to the wear tab is cause for renewal. AAR Field Manual Rule 21 Section A also applies.

---

**8. Repair and Reconditioning**

**American Industries**

American Industries in Sharon, PA, Roanoke, VA, and Independence, MO, and the Midland Division in Jerseyville, IL provide railcar repair and reconditioning services to the railroad industry. This includes new, secondhand, gauged and reconditioned railroad parts. Facilities are certified under AAR M-212 and M-214, as well as QA certification M-1003.

Reconditioning services include:

- Wheel Sets
- Bolsters
- Sideframes
- Couplers
- Yokes
- Draft Gears
- Complete Truck Assemblies
Secondhand parts include:

- Air Brake Parts
- Yokes
- C10 Pins
- Couplers
- Follower Trucks
- Knuckles

**Wheels**

American Industries and Seco Machine are AAR certified to provide freight car and locomotive wheel sets with new or reconditioned wheels, axles, and roller bearings.

American Industries provides interchange usable or second hand repairable axles and roller bearings at competitive prices.

---

**American Industries Midwest**

**Distribution and Reconditioning Services**

American Industries Midwest business offers turnkey reconditioning services, and distributes many railcar components that A. Stucki Company manufactures. The business is a leading provider of railcar reconditioned components including:

- Bolsters
- Sideframes
- Duff-Norton Air Jacks
- Couplers
- Yoke Assemblies

All reconditioning and repair services are certified under AAR M-1003 and M-214, so the highest quality and reliability is guaranteed.
**DRAFT GEAR**

Independent Draft Gear, a division of A. Stucki Company, reconditions, tests and pins the most commonly available draft gear per AAR M-901B Specifications. Refer to AAR Interchange Rule 21, Section B, Groups J & M for an overview of the draft gear models qualified. Locomotive gear/yoke assemblies are also reconditioned.

Other group type gears can be reconditioned and used for captive service.

**INSPECTION**

Reconditioning of a draft gear can be considered when any of the defects listed in Section A of the AAR Field Manual Rule 21 are present. Refer to the manual for a detailed list of wear limits, gauging and cause for renewal.

Also, refer to manufacturer’s specifications for In-Car and Out-of-Car inspection requirements for each individual model.

**FRICTION COMPONENT CLASSIFICATION**

A gear must be reconditioned if any of its friction components are broken, damaged in any way, or missing.

Gears are classified as FC/C/D (Friction Component / Case / Damage) per the following criteria:

1. More than one broken or missing friction component
2. Center wedge is damaged
3. The gear is stuck in a compressed position
**Case Classification**

As in the case of friction component damage, a draft gear must be rebuilt if the case has been subject to excessive wear or is damaged. Gears with cases that meet the following are also considered FC/C/D:

1. Wall thickness - visibly worn case wall
2. Torch cut - 1 inch or more

**Scrap Classification**

Gears with bulges, split cases or cracks in excess of 2 inches cannot be repaired and are classified as scrap. Also, gears not listed on the IDG list of acceptable gears are either not reconditionable or are obsolete and therefore classified as scrap. Refer to AAR Rule 21.

Gears which meet the criteria for reconditioning should be shipped to:

**Independent Draft Gear**

1000 Martin Luther King Jr. Blvd.

Farrell, PA 16121

Tel: (724) 981-2251

Fax: (724) 981-2256
9. Bearing Adapters

6-1/2”x12” Journal Ductile
6-1/2”x12” Journal Ductile, Crown Hardened

Stucki roller bearings adapters can be applied to any 100 ton truck applications or to any 6-1/2x12 roller bearing journal size. They are available with hardened crowns (HC), or with hardened crowns and thrust shoulders (HCT). These are indicated on the outer edge of the bearing adapter.

Wear limits for bearing adapters are indicated by the worn crown surface to the level of the relief at the center and ends of the adapter. Adapters should be replaced in kind when any crowned area is worn to the point where the relief area is contacted by the truck frame. See AAR Rule 37 for additional information.
10. Pins

A variety of truck center pins, with sizes and tapers, can be found on Table 10.1. Draft system yoke and coupler pins are also offered for a variety of applications.

### Table 10.1 Pins

<table>
<thead>
<tr>
<th>PIN TYPE</th>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
<th>TAPER</th>
</tr>
</thead>
<tbody>
<tr>
<td>A C10 Knuckle</td>
<td>13¾” x 1¼”</td>
<td>8.3 lbs</td>
<td>Single/Double</td>
</tr>
<tr>
<td>B 38080 Yoke &amp; Coupler</td>
<td>9½” x 3½”</td>
<td>26.5 lbs</td>
<td>Double</td>
</tr>
<tr>
<td>C Y47 Yoke &amp; Coupler</td>
<td>11¾” x 3½”</td>
<td>33.3 lbs</td>
<td>Single</td>
</tr>
<tr>
<td>D 50631 Yoke &amp; Coupler</td>
<td>10½” x 3¼”</td>
<td>32 lbs</td>
<td>Double</td>
</tr>
<tr>
<td>E Center</td>
<td>1” x 15”</td>
<td>9.8 lbs</td>
<td>Single/Double</td>
</tr>
<tr>
<td>F Locking Center Pin</td>
<td>1¾” x 15”</td>
<td>13.3 lbs</td>
<td>Double</td>
</tr>
<tr>
<td>G Locking Center Pin Retainer</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>H 5103 Locomotive Pivot Pin</td>
<td>13” x 3½”</td>
<td>36.26 lbs</td>
<td>Double</td>
</tr>
<tr>
<td>I 7291 Locomotive Draft Pin</td>
<td>12½” x 2¼”</td>
<td>13.7 lbs</td>
<td>Single</td>
</tr>
<tr>
<td>J Brake Pins</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

* Specializes are available. We carry a wide variety of all the common brake pins. Contact us for details.

A variety of truck center pins, with sizes and tapers, can be found on Table 10.1. Draft system yoke and coupler pins are also offered for a variety of applications.
This pocket guide provides recommended procedures for the inspection of products manufactured and reconditioned by A. Stucki Company, including truck side bearings, body side bearings, friction wedges, column guide wear plates, springs, hydraulic stabilizers, hand brakes, brake beams, center bowl and brake beam liners, couplers, yokes, coupler mounting brackets, draft gears, and grating.

This guide is intended primarily for product identification, inspection, and maintenance guidance and does not cover initial product installation procedures. To obtain the latest news and information on all of Stucki’s products, including drawings and installation instructions, please visit our website at www.stucki.com.

Additional product guides are available for sale at sales@stucki.com or call for assistance (412) 424-0560.
American Industries
Sharon, PA
724-981-4100
Independence, MO
816-836-1901
Jerseyville, IL
618-498-4442
Roanoke, VA
540-491-0040
Cleveland, TX
281-622-4194

Alco Spring Industries
Chicago Heights, IL
708-755-0438

American Turbocharger Technologies
Newport News, VA
757-244-1456

Magnus
Fremont, NE
402-721-9540

Independent Draft Gear
Farrell, PA
724-981-2251

Stucki Roller Bearing
Elizabethtown, KY
270-735-1912

A. Stucki Co. Warehouse
℅ Seco Machine
North Canton, OH
330-499-2150

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