Engineered for optimal performance in hot strip mill coiling applications
Xtek offers reconditioning services which include:

- Complete disassembly evaluation, reporting and repair
- Journal and body diameter regrinding services
- Re-sleeves of top pinch rolls
- Bearing diameter rebuilds
- Metallurgical evaluations
- Field engineering services
**Bemcalloy C141**

**Composition**
- Hypoeutectic Alloy Gray Cast Iron

**Attributes**
- Resistance to Pickup
- Very Good Wear Resistance
- Thermal Stability
- High Thermal Conductivity
- Resistance to Thermal Fatigue
- Resistance to Thermal Shock
- Through-hardening Capability

**Optimal Hardness**
- Heat Treated
- 62-67 HSC
- (46-50 HRC)

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Chromium</th>
<th>Molybdenum</th>
<th>Nickel</th>
<th>Niobium</th>
<th>Silicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.90 / 3.10</td>
<td>0.40 / 0.60</td>
<td>0.20 / 0.40</td>
<td>1.00 / 1.50</td>
<td>0.80 / 1.20</td>
<td>1.50 / 2.00</td>
</tr>
</tbody>
</table>

**Bemcalloy C1**

**Composition**
- Hypoeutectic Alloy Gray Cast Iron

**Attributes**
- Resistance to Pickup
- Good Wear Resistance
- Thermal Stability
- High Thermal Conductivity
- Resistance to Thermal Fatigue
- Resistance to Thermal Shock
- Through-hardening Capability

**Optimal Hardness**
- Heat Treated
- 62-67 HSC
- (46-50 HRC)

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Chromium</th>
<th>Molybdenum</th>
<th>Nickel</th>
<th>Niobium</th>
<th>Silicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.90 / 3.10</td>
<td>0.40 / 0.60</td>
<td>0.20 / 0.40</td>
<td>1.00 / 1.50</td>
<td>—</td>
<td>2.00 / 2.50</td>
</tr>
</tbody>
</table>

**Bemcalloy A3**

**Composition**
- Nodular Ductile Cast Iron

**Attributes**
- Resistance to Pickup
- Exceptional Wear Resistance
- Corrosion Resistance
- High Tensile Strength
- High Impact Strength

**Optimal Hardness**
- Heat Treated
- 58-64 HSC
- (44-48 HRC)

<table>
<thead>
<tr>
<th>Carbon</th>
<th>Chromium</th>
<th>Molybdenum</th>
<th>Nickel</th>
<th>Niobium</th>
<th>Silicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.90 / 3.10</td>
<td>0.40 / 0.60</td>
<td>0.20 / 0.40</td>
<td>1.00 / 1.50</td>
<td>—</td>
<td>2.00 / 2.50</td>
</tr>
</tbody>
</table>

**Bemcalloy XA**

**Composition**
- Hardened White Alloy Cast Iron

**Attributes**
- Resistance to Pickup
- Exceptional Wear Resistance
- Corrosion Resistance
- High Thermal Conductivity

**Optimal Hardness**
- Working Layer
- 67-72 HSC
- (50-54 HRC)

<table>
<thead>
<tr>
<th>Layer</th>
<th>Carbon</th>
<th>Chromium</th>
<th>Molybdenum</th>
<th>Nickel</th>
<th>Niobium</th>
<th>Silicon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working</td>
<td>3.45 / 3.70</td>
<td>1.45 / 1.70</td>
<td>0.20 / 0.30</td>
<td>1.45 / 1.70</td>
<td>0.15 / 0.30</td>
<td></td>
</tr>
</tbody>
</table>

**X-Armor Weld Overlay Pinch Rolls**

- Xtek uses a custom blend of 420 Stainless steel with nominal amounts of Chromium, Nickel, Molybdenum, Manganese, Niobium, Silicon, Vanadium, Carbon, and Tungsten which was developed specifically for the coiler pinch roll application.
- Weld Overlay is deposited using an exclusive submerged arc weld (SAW) hard-facing process designed specifically for the custom blend of materials.
- To greater reduce pickup and increase wear and corrosion resistance, Xtek continues to refine the processing and material selection to deliver the best weld in the business.
- Xtek has also tailored the material over time to meet higher strip temperatures at coiler entry to maintain hardness while also handling heavier gauge thickness.
- Decreased pickup and increased resistance to wear and corrosion means longer campaigns and less occurrence of impact failure.
### Gear Spindle Couplings
- World leader in couplings
- All driveshaft products are custom designed for your application
- All wear components TSP carburized to 58-62 HRC
- Reconditioning specialists

### Wheel & Wheel Assemblies
- Xtek crane, brake and sheave wheels are the industry’s longest lasting wheel products
- Proprietary heat treatment provides industry’s best performing wheels
- Emergency breakdown services available

### Gearing & Gearboxes
- AGMA 15 capability
- TSP carburizing to 58-62 HRC
- Gear diameters from 10” - 100” (254mm - 2540mm)
- Up to 100,000 pounds (45,000 kg)
- Reverse engineering and FEA analysis
- Gearbox reconditioning specialists

### Universal Joints
- Xtek manufactures closed-eye, split-eye, and block-type tight joints
- 220mm – 800mm standard sizes, others available upon request and evaluation
- A variety of flange connections are offered including: face key, integral pad, welded, and hirth serrations
- Special customized design features will be evaluated based upon the application

### Maintenance Services Group
- Well Trained Mobile Crews of Mechanics, Welders and Machinists
- 24/7 Support for breakdowns and in plant outages
- On-site machining and alignment services
- Self-Sufficient crews travel in company trucks with well-equipped tool trailers

### Material Handling Group
- Design & manufacturing of heavy duty lifting and floor based equipment
- Multiple options for handling coil, slab, sheet, ingot, tube and specialty products
- Licensed, professional engineers on staff
- Lifter inspection services
- Repair and retrofitting of all lifter brands

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