Features & Benefits

Wear-Con WC500™ 500 BHN Wear Plate is specially designed to reach a nominal hardness of 500 BHN with its hardness increasing at the center. Built-in strength and through-hardness gives WC500™ exceptional resistance to both moderate impact and sliding abrasion. Due to its fine-grained structure, WC500™ works well in applications requiring forming, and will last up to 5 times as long as mild steel.

Installation

Wear-Con WC500™ can easily be welded with a low-hydrogen rod such as AWS spec. E-7018.

Technical Specifications

Wear-Con WC500™ provides premium sliding and moderate impact resistance with a hardness of 477 - 555 BHN, a yield strength of 190 ksi, a tensile strength at 250 ksi, and elongation at 12%.

Chemical Composition

<table>
<thead>
<tr>
<th>S</th>
<th>B</th>
<th>P</th>
<th>Cr</th>
<th>Mo</th>
<th>C</th>
<th>Si</th>
<th>Mn</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.001</td>
<td>0.0013</td>
<td>0.025</td>
<td>0.25</td>
<td>0.25</td>
<td>0.28</td>
<td>0.50</td>
<td>0.84</td>
</tr>
</tbody>
</table>

Sizes

Wear-Con WC500™ is available in thicknesses from 1/8” to 4”.

(See reverse for WC500™ applications.)
Applications:
- Primary & Secondary Crushers
- Skirtboards
- Chutes & Hoppers
- Separator Components
- Clinker Chutes
- Dozers
- Fans
- Haul Truck Beds
- Downcomers
- Pulverizers
- Classifiers
- Drag Conveyors
- Dryers
- And Many More!

I.D. Fan Intake Housings made of WC500™ Wear Plate.

Various custom fabrications made of WC500™ Wear Plate.

(See reverse for WC500™ information.)