### RECOMMENDED PRODUCTS BY INDUSTRY & APPLICATION

**AGRICULTURE**

- **APPLICATIONS**
  - Grain Mill Housings
  - Pump/Shafts & Impellers
  - Grain Mill Hammers

- **PRODUCTS**
  - ThermaClad 8620
  - ThermaClad 102
  - Superman 2209 T-1 AP

**MINING**

- **APPLICATIONS**
  - Bucket Lips & Teeth
  - Dozer Teeth, Ripper Shanks
  - Grain Mill Hammers

- **PRODUCTS**
  - Stoody 110-G, 110-O
  - Stoody 964-G, 964-O, 964 AP-G
  - Stoody 2134

**DRILLING**

- **APPLICATIONS**
  - Pump/Shafts & Impellers
  - Wear or Repair

- **PRODUCTS**
  - Stoody 103
  - Stoody 117
  - Stoody 110-G, 110-O

**RECYCLING**

- **APPLICATIONS**
  - Pulverizing Rolls, Tables
  - Roll Crusher Rollers

- **PRODUCTS**
  - Stoody 964-G, 964-O, 964 AP-G
  - Borium (ATB)

**OIL & GAS UPSTREAM**

- **APPLICATIONS**
  - Down Hole Tooling, Retrievable
  - High Pressure Clinker Rolls

- **PRODUCTS**
  - Stoody 966-G
  - ThermaClad 423

**OIL & GAS MIDSTREAM**

- **APPLICATIONS**
  - Down Hole Tooling, Drill Pipe
  - Roll Crusher Rollers

- **PRODUCTS**
  - Stoody 965-G, 965-O, 965 AP-G
  - Borium (ATB)

**EARTH MOVING – CONSTRUCTION**

- **APPLICATIONS**
  - Dragline Pins
  - Augers

- **PRODUCTS**
  - ThermaClad 443
  - Stoody 160FC

**POWER GENERATION**

- **APPLICATIONS**
  - Roll Crusher Rollers
  - Roll Crushers

- **PRODUCTS**
  - Stoody 966-G
  - ThermaClad 443

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**KEY**

- **PROCESS**
  - SAW – Solid Arc Welding
  - SMAW – Shielded Metal Arc Welding (SMAW, Stick Welding)
  - GMAW – Gas Metal Arc Welding (TIG)
  - OAW – Open Arc Welding

- **APPLICATIONS**
  - Low – Wear or Repair
  - Medium – Low Impact & Abrasion
  - High – High Impact & Abrasion
### Signature Products

#### Hardfacing Alloys

<table>
<thead>
<tr>
<th>PROCESS</th>
<th>AVAILABLE SIZES</th>
<th>Wire</th>
<th>Electrodes</th>
<th>Applications (Partial Listing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCAW</td>
<td>5/32&quot; (4.0 mm) x 14&quot;</td>
<td>1/16&quot; (1.6 mm)</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
<td>--</td>
</tr>
<tr>
<td>SAW</td>
<td>3/32&quot; (2.4 mm) x 14&quot;</td>
<td>3/32&quot; (2.4 mm)</td>
<td>0.045&quot; (1.2 mm)</td>
<td>--</td>
</tr>
<tr>
<td>GTAW</td>
<td>7/64&quot; (2.8 mm)</td>
<td>1/16&quot; (1.6 mm)</td>
<td>0.045&quot; (1.2 mm)</td>
<td>--</td>
</tr>
<tr>
<td>OAW</td>
<td>3/32&quot; (2.4 mm)</td>
<td>3/32&quot; (2.4 mm)</td>
<td>1/16&quot; (1.6 mm)</td>
<td>--</td>
</tr>
</tbody>
</table>

#### Signature Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Wire Diameter</th>
<th>Wire Length</th>
<th>Electrodes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoody Build-Up</td>
<td>7/64&quot; (2.8 mm)</td>
<td>10&quot;</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>Stoody Build-Up</td>
<td>1/16&quot; (1.6 mm)</td>
<td>10&quot;</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>Microweld</td>
<td>7/64&quot; (2.8 mm)</td>
<td>10&quot;</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>Microweld</td>
<td>1/16&quot; (1.6 mm)</td>
<td>10&quot;</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
</tr>
<tr>
<td>Dynaweld</td>
<td>7/64&quot; (2.8 mm)</td>
<td>10&quot;</td>
<td>&lt;1/16&quot; (1.6 mm)</td>
</tr>
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</tr>
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#### Applications

- Joining, Build Up
- Carbon & Low Alloy Steel
- Metal to Metal Wear
- Bottoming, Crown, Mulching Feeders, Slitting Shears
- Refractory Brakes, Harman Mill, Steel Parts, Railroad Fags
- Earth Moving Equipment, Bucket Lips, Crusher Jaws, Crusher Rolls, Gyro Cylinder Crushers
- Shovel Tread, Shovel Parts, Shovel Teeth, Bottom Dams, Bottoming Feeders, Metalface Fags, Crusher Rolls
- Shoe Parts, Roll Crushers, Hammer Shovel Teeth, Grate Bar, Carbon Steel Fags, Switch Parts, Metalface Components
- General Purpose Joining of Stainless Steels to Other Alloys, Cosmetic Layer for Hardfacing Alloy Overlap
- Shovel Parts, Cast Irons, forged Shafts, Carbon Steel Fags, Switch Parts, Metalface Components
- General Purpose Joining of Stainless Steels to Other Alloys, Cosmetic Layer for Hardfacing Alloy Overlap
- Repair of Cast Iron, Particularly Hardened Castings and Coating Defects
- Gear Teeth, Spindles, Steel Shovel Parts, Overlapping Carbon Steel Shafts
- Carbon Steel Fags, Shank Rods, Carbon Steel Fags, Shank Rods, Carbon Steel Fags
- Column Shafts, Filling Dies, Crow shafts, Hot and Cold Steel Shafts, Drill Pipe Rods, Hardened Rods, Hot Mold Envision Rolls
- Column Shafts, Hot and Cold Steel Shafts, Filling Dies, Crow shafts, Hardened Rods, Hardened Rods, Hot Mold Envision Rolls

#### Applications

- Joining, Build Up
- Carbon & Manganese Steel
- Repair of Cast Iron, Particularly Hairline Cracks and Seams
- Carbon & Low Alloy Steel
- Carbon & Manganese Steel
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