CHAMFERED BLADES STEELHARD 400

The chamfered blades steel STEELHARD 400 are produced in a treated steel of an average hardness of 400 HB having a resistance raised to abrasion. They are used for assemblies on cups of chargers, tractopelles, shovels, bulldozer, scraper. They can be delivered to precise dimensions with one or two chamfers, or without clamp holes.

CHEMICAL COMPOSITION:

<table>
<thead>
<tr>
<th>Element</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>0.20</td>
</tr>
<tr>
<td>Si</td>
<td>0.30</td>
</tr>
<tr>
<td>Mn</td>
<td>1.7</td>
</tr>
<tr>
<td>Mo</td>
<td>0.80</td>
</tr>
<tr>
<td>Ni</td>
<td>1.5</td>
</tr>
<tr>
<td>B</td>
<td>0.05</td>
</tr>
</tbody>
</table>

AVERAGE HARDNESS: 380 à 420 HB

YIELD STRESS: 1000 N/mm²

TENSILE STRENGTH: 1300 N/mm²

LENGTHENING: 10 %

WELDING: RECOMMENDED PRODUCTS

A – MANUAL

Basics electrodes: STEELARC 510 – STEELARC MTD – STEELARC 70
Nickel-chrome electrodes: STEELARC 1810 – STEELARC 310 (for assembly of unknown steels)

B – SEMI-AUTOMATIQUE

Nickel-chrome Wires: STEELARC 1632G – STEELARC 310G (for assembly of unknown steels)
CHAMFERED BLADES STEELHARD 500

The chamfered blades steel STEELHARD 500 are produced in a treated steel of an average hardness of 500 HB having a resistance very high to abrasion (30 to 50% more resistant than steel stronger 400). They are used for assemblies on buckets of chargers, shovels, bulldozer, scraper. They can be delivered to precise dimensions with one or two chamfers, or without clamp holes.

CHEMICAL COMPOSITION:

C = 0,20  Si = 0,50  Mn = 1,80  Mo = 0.80  Ni = 1,50  Cr = 1,30

AVERAGE HARDNESS: 480 à 500 HB

YIELD STRESS: 1300 N/mm²

TENSILE STRENGTH: 1600 N/mm²

ALENGTHENING: 8 %

WELDING: RECOMMENDED PRODUCTS

A – MANUAL

Basics Electrodes: STEELARC 510 – STEELARC MTD – STEELARC 70
Nickel-chrome Electrodes: STEELARC 1810 – STEELARC 310 (for assembly of unknown steels)

B – SEMI-AUTOMATIQUE

Basics Wires: STEELARC 70G – STEELARC 80G – STEELARC 90G
Nickel-chrome Wires: STEELARC 1632G – STEELARC 310G (for assembly of unknown steels)