SelectWear 57GW

Alloy Group
Martensitic Tool Steel

Description
SelectWear 57GW is an iron based, martensitic alloy. It is a slightly softer, more ductile version of SelectWear 58G that can be used as a matrix for tungsten carbide particles that are dropped into its weld puddle. The deposit is ductile enough so that the tungsten carbide particles are less likely to be pulled out in service. The deposit is magnetic, will not cross check and is not readily machinable. The recommended shielding gas is Ar-2% O2.

Applications
Designed for metal-to-earth wear resistance: Debarking knives, agricultural tillage, chisel plows, dredge components, earthmoving bucket lips, extruder screws.

Deposit Properties
Chemistry: Fe - Cr - C
Hardness (3 layers): RC54-58
Not machinable
Will not cross check
Can be deposited in multiple layers

![Typical SelectWear 57GW Martensite Formation](image)

WELD PARAMETERS

57GW-MCG - Gas shielded metal cored wire (Ar-2% O2)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Polarity</th>
<th>Current (amps)</th>
<th>Voltage</th>
<th>ESO</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.9mm</td>
<td>DCRP</td>
<td>130-220</td>
<td>23-28</td>
<td>12-20mm</td>
</tr>
<tr>
<td>1.2mm</td>
<td>DCRP</td>
<td>160-240</td>
<td>25-30</td>
<td>12-25mm</td>
</tr>
<tr>
<td>1.6mm</td>
<td>DCRP</td>
<td>200-300</td>
<td>26-30</td>
<td>20-30mm</td>
</tr>
</tbody>
</table>

Notice: The results reported are based upon testing of the product under controlled laboratory conditions in accordance with American Welding Society Standards. Actual use of the product may produce different results due to varying conditions. An example of such conditions would be electrode size, plate chemistry, environment, weldment design, fabrication methods, welding procedure and service requirements. Thus the results are not guarantees for use in the field. Select-Arc disclaims any warranty of merchantability or fitness for any particular purpose with respect to its products.