

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.

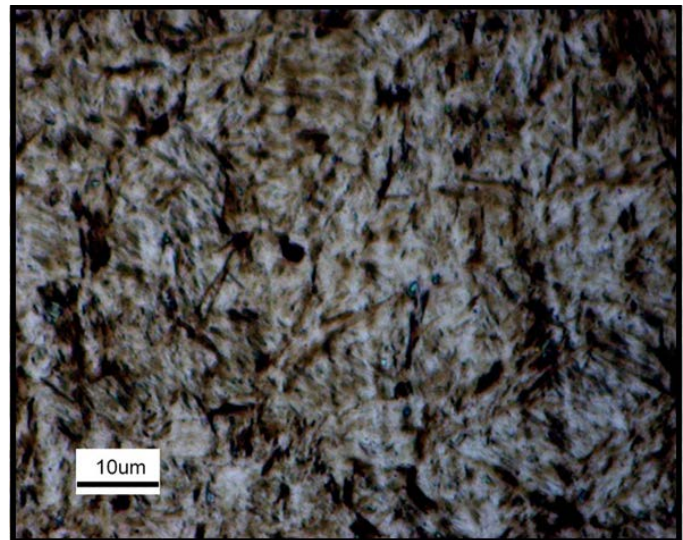
Applications

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

SelectWear 57GW matrix
 containing tungsten carbide particles



Typical SelectWear 57GW Martensite Formation

WELD PARAMETERS

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

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

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.