

**PRODUCT OVERVIEW**

**POLYWEAR 60**—nickel chrome silicon boron metal cored wire that forms complex borides and carbides in a nickel matrix. POLYWEAR 60 is designed for a wide range of applications, such as: metal to metal sliding, metal to earth high abrasion, and a combination of wear, corrosion, oxidation or galling. Deposits maintain a high level of hardness up to 1200°F. POLYWEAR 60 yields smooth deposits and can be applied to low and medium carbon steels, cast iron, and stainless steels.

**TYPICAL DEPOSIT CHARACTERISTICS:**

- ⇒ Abrasion Resistance                      Excellent
- ⇒ Impact Resistance:                      Moderate
- ⇒ Corrosion Resistance:                      Good
- ⇒ Hardness:                                      \* HRC 55-60
- ⇒ Deposit Layers:                              2 maximum
- ⇒ Machineability:                              Grind
- ⇒ Hot hardness:                                up to 1200°F
- ⇒ Surface Cross Check:                      Yes
- ⇒ Machineability:                              Grind only

**APPLICATION**

- ⇒ Draw blocks
- ⇒ Impeller screws
- ⇒ Slurry pipe and elbows
- ⇒ Oil extrusion screws
- ⇒ Sewage extrusion screws

**NOMINAL CHEMICAL COMPOSITION (wt%)**

B	C	Cr	e	Si	Ni
3.5	0.7	15.0	4.3	4.3	BAL

**RECOMMENDED GTAW PARAMETERS:**

Diameter	Current	Voltage	Amperage	Shielding Gas	Position
.062" (1.6mm)	DCEP	24-26	200-240	Argon	Flat

The properties listed are typical and not to be construed as guaranteed values. Actual properties may vary depending on customer operating conditions.

**STANDARD SIZES:**

**Diameter**

.062" (1.6mm)