



Alloy	Ni	Cr	B	C	Others
TMW50	Balance	13	2.5	0.6	Mo, Fe, Si
<b>Chemical Name:</b>	Nickel-Chromium-Boron-Carbon				
<b>Typical Hardness:</b>	35-45 HRC				

### Specification:

- AWS 5.21 ERCNiCr-B
- AWS 5.13 ECoCr-B

### Hardfacing Process:

- MIG/GMAW (Gas Metal Arc Welding)
- TIG/GTAW (Gas Tungsten Arc Welding)
- Oxy - Acetylene

### Standard Sizing & Packaging:

Diameter	Packaging
.045" (1.2 mm)	15 kg / spool
.062" (1.6 mm)	15 kg / spool
.157" (4.0 mm)	1m, 2m in length
.187" (4.8 mm)	

### Application:

- Slurry pipe
- Shaft sleeves and bushing
- Extrusion screw
- Pump components

### Product Overview

**TMW50** is a nickel-chrome-silicon-boron based alloy wire designed to resist abrasion, corrosion, galling and pitting. The smooth deposit maintains a high level of hardness up to 650°C (1200°F). It has proven to be ideal for a wide range of applications including extrusion screws, bushings, and pump parts.

**Contact:** [tmetal.com/contact](https://tmetal.com/contact)