



| Alloy | Ni | Cr | B | C | Others |
|--------------------------|------------------------------|----|-----|-----|----------|
| TMR50 | Balance | 13 | 2.5 | 0.5 | Mo,Fe,Si |
| Chemical Name: | Nickel-Chromium-Boron-Carbon | | | | |
| Typical Hardness: | 45-55 HRC | | | | |

Specification:

- AWS 5.21 ERNiCr-B
- AWS 5.13 ECoCr-B

Hardfacing Process:

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

Standard Sizing & Packaging:

Diameter

.157" (4.0 mm)
.187" (4.8 mm)

Packaging

1m, 2m in length

Application:

- Pump components
- Shaft sleeves and bushing
- Extrusion screw

Product Overview

TMR50 produces hard dense corrosion, abrasion and impact resistant deposit that can retain a high level of hardness up to 650°C (1200°F). It can be applied to low and medium carbon steels, cast iron and stainless steels and used for pump components, shafts sleeves, bushings, and extrusion screw.

Contact: tmetal.com/contact