

Alloy	Co	Cr	W	C	Others
TMW06	Balance	27	4	1.2	Ni, Mo, Fe, Si
<b>Chemical Name:</b>	Cobalt-Chromium-Tungsten-Carbon				
<b>Typical Hardness:</b>	38-44 HRC				

**Specification:**

- AWS 5.21 ERCCoCr-A
- AWS 5.13 ECoCr-A

**Hardfacing Process:**

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

**Standard Sizing & Packaging:**

Diameter	Packaging
.045" (1.2 mm)	15 kg / spool
.062" (1.6 mm)	15 kg / spool
.125" (3.2 mm)	1m, 2m in length
.157" (4.0 mm)	
.187" (4.8 mm)	
.250" (6.4 mm)	

**Application:**

- Valve seats and gates
- valve trims
- Pump shafts and bearings
- Extrusion screw flights
- Sleeves and Bushing
- Mixer paddles

**Product Overview**

**TMW06** is the most widely used alloy in metal-to-metal abrasion and high impact applications, including valve seats and gates, pump shafts and bearings, erosion shields and rolling couples. It produces excellent corrosion and abrasion coatings that can resist to many forms of mechanical and chemical degradation over an intensive temperature range while retains a reasonable hardness up to 800 °C.

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