



Alloy	Co	Cr	W	C	Others
TMW01	Balance	28	12.5	2.45	Ni, Mo, Fe, Si
<b>Chemical Name:</b>	Cobalt-Chromium-Tungsten-Carbon				
<b>Typical Hardness:</b>	48-54 HRC				

**Specification:**

- AWS 5.21 ERCCoCr-C
- AWS 5.13 ECoCr-C

**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
- Pump shafts and bearings
- Extrusion screw flights
- Sleeves and Bushing

**Product Overview**

**TMW01** offers excellent abrasion and corrosion resistance coatings for applications including pump shafts and bearings, valve seats and gates, as well as extrusion screw flights. The high proportion of hard, wear resistance carbides make it ideal for extreme low-angle erosion and severe abrasion. It retains reasonable properties and hardness at temperatures in excess of 600°C.

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