



Alloy	Co	Cr	C	Others
TMW21	Balance	28	0.25	Ni, Mo, Fe, Si
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon			
Typical Hardness:	28-40 HRC			

Specification:

- AWS 5.21 ERCCoCr-E
- AWS 5.13 ECoCr-E

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:

- Ball and gate valves
- Forging dies
- Sealing rings

Product Overview

TMW21 has excellent resistance to thermal and mechanical shock and retain its strength over a wide range of temperatures. TMW21 is excellent for erosion resistance, galling, cavitation, and metal to metal wear resistance.

Contact: tmetal.com/contact