



Alloy	Co	Cr	W	C	Others
TMR21	Balance	28	-	0.25	Ni,Mo,Fe,Si
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Typical Hardness:	28-40 HRC				

Specification:

Hardfacing Process:

- AWS 5.21 ERCoCr-E
- AWS 5.13 ECoCr-E
- TIG/GTAW (Gas Tungsten Arc Welding)

Standard Sizing & Packaging:

Application:

Diameter

- .125" (3.2 mm)
- .157" (4.0 mm)
- .187" (4.8 mm)
- .250" (6.4 mm)

Packaging

1m, 2m in length

- Ball and gate valves
- Forging dies
- Sealing rings

Product Overview

TMR21 is excellent in cavitation, galling, and metal-to-metal sliding wear resistance. It also has proven to ideal in resisting thermal and mechanical shock. Typical applications include ball and gate valves, forging dies and sealing rings.

Contact: tmetal.com/contact