



Alloy	Co	Cr	W	C	Others
TMR12	Balance	30	8.5	1.4	Ni,Mo,Fe,Si
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Typical Hardness:	45-52 HRC				

Specification:

- AWS 5.21 ERCoCr-B
- AWS 5.13 ECoCr-B

Hardfacing Process:

- TIG/GTAW (Gas Tungsten Arc Welding)

Standard Sizing & Packaging:

Diameter

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

Packaging

1m, 2m in length

Application:

- Saw Tips
- Shaft sleeves and bushings
- Turbine blades

Product Overview

TMR12 is a cobalt-base alloy that offers excellent wear, corrosion and abrasion resistance at temperatures up to about 700°C. It is ideal for industries like lumber, plastic, paper and metal-processing. TMR12 is also resistant to low angle erosion and severe sliding wear while retaining good impact and cavitation resistance.

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