



Alloy	Co	Cr	W	C	Others
TMW12	Balance	30	8	1.5	Ni, Mo, Fe, Si
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Typical Hardness:	45-50 HRC				

Specification:

- AWS 5.21 ERCCoCr-B
- AWS 5.13 ECoCr-B

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:

- Saw tips
- Exhaust Valves
- Extrusion screw flights
- Shaft sleeves and bushings
- Turbine blades

Product Overview

TMW12 is a cobalt-chromium-tungsten alloy and can be processed by MIG/GMAW. It produces surfaces that resist to high-temperature, strong corrosive, and abrasive environments. It has proven to be ideal for use in the timber, plastics, paper, and chemical industries.

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