



Manufacturers of Custom Welding Lines for Resale
www.selectrode.com

SELECTRODE 1292

Bare Cobalt Grade 12

INTERNATIONAL CLASSIFICATIONS

AWS A5.21 ERCoCr-B

FEATURES & APPLICATIONS

1292 develops high hardness, abrasion resistance and good corrosion resistance. These properties make it a good choice for cutting wood saws and bars, for industrial cutting applications for carpet, plastics, paper and chemical industries. It is non-forgable and can be machined with difficulty using carbide tools.

ALL WELD METAL ANALYSIS (TYPICAL WEIGHT %)

C	Mn	Fe	Si	Cr	W	Ni	Mo	Co
1.5	.06	2.3	1.3	30.4	8.5	2.2	.10	Bal.

TYPICAL MECHANICAL PROPERTIES

Undiluted Weld Metal	Maximum Value Up to:
Tensile Strength	107,000 PSI (738 N/mm ²)
Yield Strength	84,000 PSI (579 N/mm ²)
Elongation	<1%
Hardness	44-50 RC

WELDING CURRENT & INSTRUCTIONS

Recommended Current: DC Straight (-) Gas: 100% Argon

Diameter (mm)	1/16 (1.6)	3/32 (2.5)	1/8 (3.25)	5/32 (4.0)
Minimum Amperage	55	75	90	120

Maximum Amperage	90	100	120	140
Volts	15-25	15/25	15-30	15-30