

CW Co Series

The CW Co series is a range of Co based flux cored wires designed to enhance component life by providing resistance to abrasion, galling and corrosion at elevated temperatures.

Product	Nominal All-Weld Composition, wt%.									
	AWS	UNS	HRc	C	Cr	W	Fe	Ni	Mo	Co
CW1Co	A5.13 ErCoCr-C	W73001	51-60	2.5	28	12	3	-	-	Bal
CW6Co	A5.13 ErCoCr-A	W73006	36-46	1.2	30	5	2	-	-	Bal
CW21Co	A5.13 ErCoCr-E	W7021	27-40	0.3	26	-	3	2.5	5.5	Bal

	General Description	Applications
CW1Co	A cobalt alloy with a high volume fraction of primary carbides that provide excellent corrosion and wear resistance at elevated temperatures.	Mill guides, palm nut oil extruder, plastic extrusion screws, mixer blades, scrapers, rubber mixer, wear pads. Machinable by grinding only.
CW6Co	A Cobalt alloy with dispersed complex carbides that retains good wear resistance at elevated temperatures.	Hot shear blades, mandrels and hot trim dies, press forging dies and punches.
CW21Co	A cobalt alloy with dispersed hard carbides.	Forging and hot stamping dies. mandrels and hot trim die forging dies, trimmers, punches and hot shear blades. Drop forging

Welding Parameters: for guidance only

Ø, mm	Polarity	Current (A)	Volts (V)	Stick Out, (mm)	Gas Type (L/min)
1.2	DCEP	130-220	24-29	20	Argon (15)
1.6	DCEP	200-350	28-30	20	

Availability

1.2mm Ø
1.6 mm Ø

13kg spool

Health and Safety

Welding produces fumes and gases which can be dangerous to your health. Arc rays can injure eyes and burn skin. Electric shock can kill. It is important to take suitable precautions when welding and follow safe working practices. These should be based on the Welding Manufacturers Association leaflets 236, 237 and 239.

The information contained in this document is typical of the product described but is not guaranteed.
Specification may change without notice