

**COBALT 6 TIG** AWS A521: ER.CoCr-A

This wire is suitable for hardfacing of parts subjected to a combination of pressure, impact, abrasion, corrosion, erosion, cavitation and high heat up to 900°C, such as tight surfaces of fittings, valve seats and cones for combustion engines, gliding surfaces of fittings, valve seats and cones for combustion engines, gliding surfaces of fittings, metal to metal highly stressed hot working tools without thermal shock, milling, mixing and drilling tools. Excellent gliding characteristics, very good polishability, high toughness, non magnetic. Machinable by grinding and with tungsten carbide tools.

**Chemical composition %:** C:1.1 / Cr:28 / W:4.0 / Co:Rest

**Hardness:** TIG:40HRC Oxy-acetylene: 40 HRC

**Dimensions:** 3.20 - 4.0 - 5.0 x 1000mm

**Welding Electrode :** GeKaTec COBALT 6  
**Flux Cored Wire :** GeKa HARDCOR COBALT 6

**COBALT 12 TIG** AWS A5.21: ER.CoCr-B

This wire is suitable for highly wear resistant hardfacing of parts subjected to a combination of hardfacing, abrasion, corrosion, erosion, cavitation and high heat up to 900°C, such as a running sealing and gliding faces of fittings and pumps, valve seats and cones for combustion engines tools for the wood, paper and plastic industry, gliding surfaces metal to metal, milling, mixing and drilling tools, heavy duty hot working tools without thermal shock. Excellent gliding characteristics very good polishability high toughness, non magnetic. Machinable by grinding and with tungsten carbide tools.

**Chemical Composition %C:** 1.4, Cr: 29, W:8, Co:Rest

**Hardness:** TIG :47 HRC Oxy-acetylene: 48 HRC

**Dimensions:** 3.20 -4.0-5.0x 1000 mm

**Welding Electrode :** GeKaTec COBALT 12  
**Flux Cored Wire :** GeKa HARDCOR COBALT 12

**COBALT 1 TIG** AWSN521: E R.Co Cr-C

This wire is suitable for highly wear resistant hardfacing of parts subjected to a combination of abrasion, corrosion and high heat up to 900°C, such as working parts in the chemical industry running and sealing faces of fittings, valve seats and cones for combustion engines, cutting shearing tools, milling, mixing, drilling tools, heavy-duty hot working tools without thermal shock Excellent gliding characteristics, good polishability, slightly magnetic. Machinable by grinding and with tungsten carbide tools.

**Chemical Composition %C:** 2.5, Cr:30, W:12, Co:Rest

**Hardness:** TIG:54HRC Oxy-acetylene: 53 HRC

**Dimensions:** 3.20 - 4.0-5.0 X 1000mm

**Welding Electrode :** GeKaTec COBALT 1  
**Flux Cored Wire :** GeKa HARDCOR COBALT 1

**Operating Data**

Product	Product Code	Diameter (mm)	Diameter (inch)	Package Weight (Kg)
COBALT6TIG	6031100133	3.2 x 1000	1/8 x 39"	5
COBALT6TIG	6031100134	4.0 x 1000	5/32 x 39"	5
COBALT 12TIG	6031100135	3.2 x 1000	1/8 x 39"	5
COBALT 12TIG	6031100136	4.0 x 1000	5/32 x 39"	5
COBALT 1 TIG	6031100321	3.2 x 1000	1/8 x 39"	5
COBALT 1 TIG	6031100322	4.0 x 1000	5/32 x 39"	5

**Approvals:** SEPRO