

Böhler SG2

GMAW Solid Wire

CE Approved according to EN13479

Copper-coated solid wire suited for universal application in boiler & vessel fabrication and in structural steel engineering. Largely spatter-free metal transfer when using gas mixtures and carbon dioxide. Thanks to its high current carrying capacity this filler metal is also optimally suited for welding thick-walled sheet and plate structures.

Mechanical Properties of All-weld Metal

		u	u2
Yield strength Re MPa:		(≥ 420)	(≥380)
Tensile strength Rm MPa:		(500 – 640)	(470-600)
Elongation A (L0 =5d0) %:		(≥ 20)	(≥ 20)
Impact strength ISO-V KV J	-20 °C		(≥47)
	-30 °C	(≥ 47)	

u untreated, as welded - sheilding gas Ar+15-25% Co2
u2 untreated, as welded - sheilding gas 100% Co2