



A₃ SMV3S

Classification

EN 14700 : S Fe3

Material N° : 1.2343

Description & Applications

Solid wire for hardfacing steels of similar chemical composition. Product of high purity, bare wire without copper coating, for welding without micro porosity.

Main applications: For forging and drawing dies, cast moulds.

Typical Chemical Composition (%)

C	Si	Mn	Cr	Mo	V	Fe
0.38	0.9	0.3	5.0	1.2	0.5	Rem.

All Weld Metal Mechanical Properties

Hardness
~58 HRC

Welding Current & Instructions

Welding mode	Wire Ø (mm)	Welding parameters		Shielding Gas
		Pulsed arc (A)	(V)	
MIG = +	0.8	60-100	18-21	EN 439: M21 (Ar/CO ₂) 18 l/min
	1.0	150-170	25-28	
	1.2	150-220	26-28	
	1.6	19-300	26-32	

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