



ELGACORE® MATRIX®



MCAW Unalloyed

Classifications EN ISO 17632-A T 46 4 M M21 3 H5
AWS A5.18 E 70C-6M H4

ELGACORE MATRIX is a revolutionary new metal-cored wire designed to provide maximum performance in automated and robotic applications. ELGACORE MATRIX utilizes the most advanced manufacturing technology in the industry to achieve unparalleled consistency. Not only is ELGACORE MATRIX ultra consistent, it also provides industry leading arc starting, as well as unrivaled feedability. ELGACORE MATRIX will handle your most difficult feeding applications. Through proprietary chemistry and manufacturing technology, ELGACORE MATRIX provides superior bead wetting, minimal silicon deposits, and an extremely smooth and stable arc. ELGACORE MATRIX all the benefits of metal-core, and more.

Shielding Gas M21, 80% Ar + 20% CO₂, 15 - 25 l/min **Welding Current** DC+

Diffusible Hydrogen

Weld metal chemistry %

Notes :

	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%Mo	%Cu
Typical	0,05	0,6	1,3	0,01	0,02				

Mechanical properties

Welding Conditions : As Welded

Typical values			T °C	Typical (J)
Yield Strength, Re	515 MPa	Impact energy, CV	-20	100
Tensile Strength, Rm	575 MPa		-40	60
Elongation A5	25 %			

CE	TÜV	DB	LR	DNV	BV	ABS	RINA
x	x	x					

Available diameters : 1.2 - 1.6mm

EUROWELD
Welding Technology

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