

SAFDUAL 200

MIG/MAG Cored Wires

C-Mn and low-alloy steels

SAFDUAL 200 is a high deposition rate metal cored wire. Excellent welding properties with both short and spray arc. Virtually spatter free in the spray-arc range. Particularly suitable for robotic applications. Characteristic features are: good edge wetting, finely rippled welds, little oxide formation on the weld surface making multipass welding possible without inter-run cleaning. The weld profile is easily controllable making this wire well suited for gap bridging and positional welding.

Metal cored wires with high deposit rate and excellent weldability both with short arc and spray arc modes. Use on carbon steel structures that work at low temperature.

Classification

EN ISO 17632-A: T 46 5 M M 1 H5

EN ISO 17632-B: T555T15-1MA-UH5

AWS A5.18: E 70 C-6M H4

Approvals

ABS	BV	DB	DNV	LRS	RINA	TÜV
3YSA H5	SA3YM H5	●	IV Y42MS H5	4Y40 H5	3YS H5	●

CE

Chemical analysis (Typical values in %)

	C	Mn	Si	P	S
All weld metal	0.04	1.7	0.5	≤ 0.02	≤ 0.02

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)	Impact Energy ISO - V (J)
				-50 °C
As Welded	≥ 460	500-680	≥ 24	≥ 75

Gas test: 82% Ar+18% CO₂

Shielding Gas - EN ISO 14175 : M21

Materials

S(P)235-S(P)460, GP240-GP280

Storage

Keep dry and avoid condensation

Current condition and welding position

DC+

