

Classifications

DIN 8555	EN 14700
MSG 3-GF-45-ST	T Fe 3

Characteristics

UTP AF ROBOTIC 453 is a seamless, CrMo alloyed, metal-cored wire for wear-resistant hardfacings on parts subject to abrasion, compression and high temperature.

Thanks to its constant wire feed and excellent weldability, this wire is especially suited for automated welding.

Application field

Parts of earth moving machinery, rollers, mills and supports.

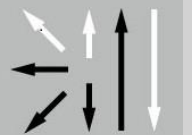
Typical analysis in %

C	Mn	Si	Cr	Mo
0.25	1.0	0.4	5.0	4.0

Typical mechanical properties

Hardness as welded: 42 – 47 HRC

Welding positions

	Current type: = +	Shielding gas: Ar/CO ₂ (EN ISO 14175: M21) Flow rate: 16 – 20 l/min
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Recommended welding parameters

Diameter [mm]	Spool	Weight [kg]	Amperage [A]	Voltage [V]
1.2	BS300	16	120 – 300	20 – 32
2.4	B450	25	200 – 450	25 – 35

Other diameters on request