

## Classifications

DIN 8555	EN 14700
MSG 3-GF-50-ST	T Fe 8

## Characteristics and field of use

UTP AF ROBOTIC 503 is a seamless metal-cored wire for surfacing applications resistant to metal wear and abrasion up to 550°C. Thanks to its content of titanium carbides, this wire is especially suited for hot-wear-resistant surfacing.

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

Application field: Hot work dies, croppers, hot shearing machines, hot rolling, trimmers, extrusions screws, punches and hot cutting tools up to 550°C.

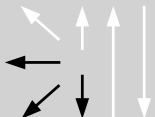
## Typical analysis in %

C	Mn	Si	Cr	Mo	Ti
0.25	0.7	0.4	5.5	4.5	0.3

## Typical mechanical properties

Hardness as welded: 47 - 52 HRC

## Welding positions

	Current type: = +	Shielding gas: Ar/CO <sub>2</sub> (EN ISO 14175: M21) Flow rate: 14 - 20 l/min
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## Recommended welding parameters

Diameter [mm]	Spool	Weight [kg]	Amperage [A]	Voltage [V]
1.2	B300	16	120 - 300	20 - 32
2.4	B450	25	150 - 500	18 - 42

Other diameters on request.