UTP AF ROBOTIC 405

gas-shielded flux-cored wire

Classifications	
DIN 8555	EN 14700
MSG 5 – GF – 40 - P	T Fe 7

Characteristics and field of use

UTP AF ROBOTIC 405 is a seamless medium-alloyed metal-cored wire with low carbon content for wear-resistant surfacing applications. For steels that are difficult to weld, a buffer layer using UTP AF 155 should be applied.

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 and supports.
Machinable with sintered hard metal (e.g. WIDIA).

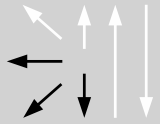
Typical analysis in %

C	Mn	Si	Cr	Mo
0.1	1.5	0.6	5.5	0.9

Typical mechanical properties

Hardness as welded: 37-42 HRC

Welding positions



Current type: = +

Shielding gas: Ar/CO_2 (EN ISO 14175: M21)
Flow rate: 14-20 l/min

Recommended welding parameters

Diameter [mm]	Spool	Weight [kg]	Amperage [A]	Voltage [V]
1.2	B300	16	120-300	20-32
1.4	B300	16	150-320	20-31
1.6	B300	16	180-420	20-34

Other diameters on request

All information provided is based upon careful investigation and intensive research.
However, we do not assume any liability for correctness and information is subject to change without notice.