UTP AF ROBOTIC 453

gas-shielded flux-cored wire

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

Characteristics and field of use

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.
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, mills and supports.

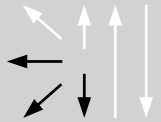
Typical analysis in %

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

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	22-34
2.0	B300	16	170-450	25-35
2.4	B300	16	200-450	25-35

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.