

## Classifications

<b>DIN 8555</b>	<b>EN 14700</b>
MSG 6-GF-60-GP	T Fe 8

## Characteristics and typical fields of application

UTP ROBOTIC 601 is a seamless chromium-niobium alloyed metalcored wire for hardfacing using Ar-CO<sub>2</sub> shielding gas, without slag. The hardfacing deposit yields a high hardness as a result of special carbides but remains crack free. A buffer of UTP A 63 is only recommended for critical materials or for multilayer build up. In these cases only the last two beads should be welded with UTP AF ROBOTIC 601. Well suited for wear resisting parts subject to heavy impact and shock, as well as abrasion. Weld metal is machinable only by grinding.

Field of use: recycling equipment, cutting edges, conveyor chains, crusher jaws and cones.


## Typical analysis

	Gas	C	Si	Mn	Cr	Nb
wt.-%	M21	1.4	1.0	0.7	6.0	5.5

## Mechanical properties of all-weld metal - typical values (min. values)

Condition	Hardness
	Hardness
u	57 - 62
u untreated, as-welded	

## Operating data

	<b>Polarity</b>	DC+	<b>Dimension mm</b>
	<b>Shielding gas (EN ISO 14175)</b>	M21	1.2
			1.6

## Approvals

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