

## Classifications

### Characteristics and typical fields of application

UTP ROBOTIC 600 is a seamless, chromium-alloyed, metal-cored wire for wear-resistant hardfacing applications on parts subject to a combination of pressure, impact and abrasion wear. Very good weldability in comparison to solid wires, good resistance to abrasion, minimized slag formation with easy slag removal. Thanks to its constant wire feed and excellent weldability, this wire is especially suited for automated welding.

Field of use: cutting tools, esp. cutting edges of presses in ceramic tiles production, jaw crushers, baffle plates.

### Typical analysis

	Gas	C	Si	Mn	Cr
wt.-%	M21	0.45	3.0	0.4	9.0

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

Condition	Hardness
	Hardness
u	57 - 62

u - untreated, as welded

### Operating data

	Polarity	DC+	Dimension mm
	Shielding gas (EN ISO 14175)	M21	1.2
			1.4
			1.6

### Approvals

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