

**Technical data sheet**

011121MBA

**Tubular SMAW Electrode**  
**WA HARDFACE**  
**STEELCARBW45-TE****CLASSIFICATION**

EN 14700: T ZFe20

**DESCRIPTION**

- Tubular electrode filled with tungsten carbide particles.
- Extreme resistance to abrasives, especially fine-grained.
- Useful in applications which demand very high abrasive resistance materials and low impact

**APPLICATIONS**

- Typical application includes material handling components which handles medium to fine particles, coal crusher blades, conveyor screens, concrete mixer components, wood chipping or crushing machine components, brick and clay mill augers etc.

**TYPICAL ALL-WELD METAL ANALYSIS**

C	Mn	Si	Cr	WC / W2C	Fe
3.5	0.8	0.8	15	45	Bal.

Structure: tungsten carbides and Fe-Cr-W carbides in martensitic matrix.

**TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES**

Matrix: ~ 65 HRC

Carbides: 950 - 2000 HV

**CONDITIONS OF USE**

Electrode Ø x L (mm)	6.0 x 450	8.00 x 450
Current (A)	100 - 140	130 - 200

Polarity: AC or DC

**WELDING POSITIONS**

Flat, half up, half down

**PACKAGING**

Electrode Ø x L (mm)	Quantity	Weight [kg]
6.0 x 450	~ 55	4 x 5.0

Other packaging and other sizes: please consult us

**TIP COLOUR IDENTIFICATION**

- Purple