



ESSEN 800 SUPER TUB

Classification: **Special Product**

Wire specifically developed for surface treatment of mill rollers used in the sugar and ethanol industry. Designed to deliver superior performance, this material is applied to increase production efficiency by overcoming operational losses.

The main objective is to optimize production by increasing the surface roughness of the rollers. This modification results in a significant reduction in moisture content and residual sucrose percentage, particularly noticeable with a decrease from 5% to 2%. An additional benefit is substantial cost savings per ton of processed cane, achieved by minimizing cane slippage and maximizing bagasse utilization.

This flux-cored wire, specially formulated for spray arcing application on the grooves of mill roller shells, stands out for its high abrasion resistance, even under severe mineral impurity conditions. Its coarse granulation promotes efficient bagasse traction, resulting in a remarkable improvement in mill efficiency. Furthermore, the high deposition rate allows for fast application, ensuring high operational productivity.

CHEMICAL COMPOSITION:

C	Mn	Si	P	S	Cr
2.00 to 4.5%	0.80 to 2.00%	0.80 to 2.00%	0.030% Max.	0.030% Max.	15.00 to 20.00%.

MECHANICAL PROPERTIES:

Hardness:	45 to 55 HRC
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Flat

WELDING CURRENT:	DC+
SHIELDING GAS:	NOT REQUIRED

PRODUCT FEATURES:

DIAMETER (mm):	CURRENT (A):	VOLTAGE (V):	PACKAGING (kg):
2.40	200 to 280	26 to 30	20.00
2.80	260 to 320	28 to 32	20.00 / 250 (drum)
3.20	300 to 380	30 to 34	20.00
4.00	380 to 460	32 to 36	20.00

CUSTOMER SERVICE POLICY

The information provided above is for reference purposes only and shall not be considered as a guarantee or certificate. Many variables may influence the results of a welding operation. Uniweld Industria de Eletrodos LTDA assumes no responsibility for any incorrect application of the product. If you have any questions, we recommend contacting our Technical Assistance Department for proper support.