

## Surface preparation electrode

Product Name Classification AWS Classification EN Classification DIN	Mechanical Properties Typical Values	Size (mm)	Approvals	Characteristics and Applications
<b>UTP VANADIUM 500</b>	-	4.0 X 450 5.0 x 450 6.0 x 450	-	Electrode for hard coatings based on Chrome Carbonates and Vanadium, developed to resist to extreme abrasion and corrosion provoked by the sugarcane milling, washed or not, excusing the "Chevron" and increasing productivity and the helpful life of the sugar mill's cylinders. Spraying with UTP Vanadium 500 makes mill's frieze surface rough in order to improve the "catch", which represents a considerable increase in the tonnage of cane crushed by decreasing the sugar cane slip to minimum rates, providing maximum bagasse use. The special coating of this electrode produces an aggressive arc "spray" type of high penetration, being able to be applied with equipment in milling. High rate of coating on roll surfaces with drops from the exact size to increase the sugar cane traction. UTP VANADIUM 500 works with lower than conventional amperages. Excellent abrasion resistance.
<b>LOTUS-740</b>	Hardness as deposited: 180 - 220 BHN	3.15 x 350 4.0 x 350 5.0 x 350	-	Predominantly suited for tough and crack resistant overlays. Surfacing on parts of high Mn steel subject to extreme impact, compression and shock. Build-ups of C-steel are also possible. Weld bead is clean, finely rippled and free from slag residue. The high Mn produces fully austenitic deposit which is highly work hardening. Applications: Excavator pins, buckets and teeth, mill hammers, crusher jaws, cones and beaters, impeller bars, Railway building machinery, shunts and cross pieces
<b>LOTUS-750</b>	Hardness as deposited: 62 -65 HRC	3.15 x 350 4.0 x 350 5.0 x 350	-	Suitable for steels parts requiring severe abrasion wear resistance. Deposit gives low coefficient of friction during service. Very smooth weld metal transfer. Easy to handle in all positions. Recommended in cement, earthmoving, construction and agriculture industries. Suitable for buttering layer over Lotus -740 of high Mn deposit. Applications: Buckets (pads, lips and teeth), Fan blades, Hammers and scrapers
<b>CUTALOY</b>	-	3.15 x 450 4.00 x 450 5.00 x 450	-	Cutaloy is a medium coated electrode specially designed for faster and smoother cutting, piercing of all types of steels including stainless steel, austenitic manganese steel, cast iron, non ferrous metal in all position. No special skill, supplementary equipment or oxyegn tanks are required.
<b>UTP N 890 AS</b>	-	3.15 x 350 4.00 x 350 5.00 x 350	-	Thick coated chamfering stick electrode UTP N 890 AS can be used on all steel grades with ferritic and austenitic structure, as well as cast iron, cast steel and all non-ferrous metals. It enables workpieces to be grooved out in a very simple way. UTP N 890 AS is also suitable for removing corroded metal layers and for fusion-cutting metallic materials. UTP N 890 AS strikes easily and generates a high gas pressure, enabling a clean and smooth cut to be achieved. Applications: Gouging nonferrous metals including aluminium, cast irons, steels, other metals, bevelling cracks, removing unwanted metal and unwanted sections old rivets etc.