

ESAB 430



A basic coated stainless steel electrode for depositing a 17 Cr Weldmetal



Classification AWS A5.4: E 430-15

DESCRIPTION

ESAB 430 is a basic coated stainless steel electrode giving ferritic weld of 17% Cr type for welding of ferritic-martensitic chrome steels. Welding with ESAB 430 electrode requires suitable post and preheats treatment for obtaining optimum weldmetal properties. The welds arc of radiographic quality.

WELDING CURRENT: DC +

TYPICAL APPLICATIONS

ESAB 430 is designed for welding AISI 430 stainless steels and steels with similar composition. Typical applications include machine parts, gears, fasteners, propeller shafts, welding of cast parts in gas turbine construction, welding of similar corrosion resistant chrome steels and steel castings, pump parts components in oil refineries, coal washers etc.

TYPICAL ALL WELDMETAL PROPERTIES

Chemical Composition (%)				Mechanical Properties	
C	0.08	Cr	17.0	YS	430 N/mm ²
Mn	0.9	Mo	0.4	UTS	520 N/mm ²
Si	0.5			EL (L=4d)	20%
Ni	0.4				

CURRENT RANGE & PACKING DATA

Size (mm)	Length (mm)	Current Range (Amps)	No. of Electrodes in a	
			Carton	Cardboard box
2.50	350	70-100	80	400
3.15	350	90-130	60	300
4.00	350	120-170	40	200
5.00	350	150-220	25	125

PACKING: Electrodes are packed in heat sealed plastic cartons and five of these cartons are shrink wrapped in a cardboard box.