

## ER430

### Wire for ferritic stainless steel

Product name	IABCO ER430
Classification EN ISO	14343-A: G/W 17
Material No.	-
Classification AWS	A5.9: ER430
Approvals	-
Applications	IABCO ER430 is a ferritic 17%Cr wire for welding matching base materials. 430 alloys have good oxidation resistance up to ~800°C and good corrosion resistance to sulphur bearing gases eg. H <sub>2</sub> S.
Base materials	For matching martensitic stainless steels. ASTM: 430. EN: 1.4016, X6Cr17. UNS: S43000.
Typical analysis of wire, weight %	C: 0.01 Si: 0.3 Mn: 0.4 Cr: 16.8 Ni: 0.2
Typical heat treatment <sup>(1)</sup>	Preheat-interpass temperature range: 150-300°C. PWHT: ~770°C.
Typical mechanical properties <sup>(2)</sup>	0.2% proof stress, Rp0.2%: 500MPa. Tensile strength, Rm: 350MPa. Elongation, 4d/5d: 20%.
Other products	-

**Notes** (1) Application codes and project specifications should always be referred to for specific requirements.

(2) Actual mechanical properties will be dependent on specific welding procedure (including shielding gas, flux, PWHT etc) and should always be confirmed by approval of an appropriate welding procedure.