

## IABCO 15CDV6

### MIG/GMAW and TIG/GTAW wire for high strength low alloy

Product name	IABCO 15CDV6
Classification EN ISO	--
Material No.	1.7734
Classification AWS	--
Applications	The IABCO 15CDV6 wire is used for welding matching, and similar, composition base materials. The material provides high strength, actual strength being dependent on heat treatment. The wire finds uses in the aerospace and motorsports industries, and also in the repair of some tool steels.
Base materials	For matching, and similar, composition steels such as: 15CrMoV6, 25CrMo4, 35CrMo4, 20CrMo12.
Typical analysis of wire, weight %	C: 0.14 Si: 0.15 Mn: 1.0 Cr: 1.4 Mo: 0.9 V: 0.25
Typical heat treatment <sup>(1)</sup>	Preheat, interpass temperature and PWHT will be dependent on application and base material.
Mechanical properties of weld deposit <sup>(2)</sup>	Dependent on PWHT. 0.2% proof stress, Rp0.2%: ~900MPa. Tensile strength, Rm: ~1200MPa. Elongation, 4d/5d: ~10%.
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.