ISO 15614-1:2004 Specification and qualification of welding procedures for metallic materials -- Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys

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Abbreviation
ISO 15614-1:2004
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Standards New Zealand
Author
International Organisation for Standardization
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Cited By
This resource is cited by 2 documents (show Citations)

Description

ISO 15614-1:2004 specifies how a preliminary welding procedure specification is qualified by welding procedure tests.

It defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations within a range of variables. Additional tests may be required by application standards.

ISO 15614-1:2004 applies to the arc and gas welding of steels in all product forms and the arc welding of nickel and nickel alloys in all product forms.

- Arc and gas welding are covered by the following processes:
- manual metal arc welding (metal-arc welding with covered electrode);
- self-shielded tubular-cored arc welding;
- submerged arc welding;
- metal inert gas welding, MIG welding;
- metal active gas welding, MAG welding;
- tubular-cored metal arc welding with active gas shield;
- tubular-cored metal arc welding with inert gas shield;
- tungsten inert gas arc welding; TIG welding;

- plasma arc welding;
- oxy-acetylene welding.

The principles of ISO 15614-1:2004 may be applied to other fusion welding processes.

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This document is CITED BY:

- BS EN 10253-2:2007

  ISO 15614-1:2004 is cited by BS EN 10253-2:2007 Butt-welding pipe fittings - non-alloy and ferric alloy steels with specific inspection requirements

- BS EN 12285-2:2005

  ISO 15614-1:2004 is cited by BS EN 12285-2:2005 Workshop fabricated steel tanks - Horizontal cylindrical single skin and double skin tanks for the aboveground storage of flammable and non-flammable water polluting liquids

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