

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

वेल्डिंग — पूर्वतापन तापमान, अंतरापारण तापमान और पूर्वतापन अनुरक्षण तापमान का मापन

Draft Indian Standard

WELDING — MEASUREMENT OF PREHEATING TEMPERATURE, INTERPASS TEMPERATURE AND PREHEAT MAINTENANCE TEMPERATURE

ICS 25.160.10

Welding General and its Applications
Sectional Committee, MTD 11

Last date of comments
24 October 2025

NATIONAL FOREWORD

This draft standard is identical to ISO 13916 : 2025 'Welding — Measurement of preheating temperature, interpass temperature and preheat maintenance temperature' issued by the International Organization for Standardization (ISO), and subject to its finalization, is to be adopted by the Bureau of Indian Standards on the recommendation of the Welding General and its Applications Sectional Committee and approval of the Metallurgical Engineering Division Council.

Accurate temperature control is crucial in welding to ensure the quality of joints. This document specifies requirements for the measurement of preheating temperature, interpass temperature and preheat maintenance temperature for fusion welding.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, it should be read as 'Indian Standard'; and
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

The scope of the standard is as follows:

SCOPE

This document specifies requirements for the measurement of preheating temperature, interpass temperature and preheat maintenance temperature for fusion welding. This document can also be applied as appropriate in the case of other welding processes. This document does not apply to the measurement of post weld heat treatment temperatures.

The complete document/text of ISO 13916 : 2025 'Welding — Measurement of preheating temperature, interpass temperature and preheat maintenance temperature' may be made available, on request to:

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