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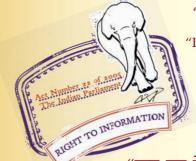
मानक

IS 12805 (1989): Tool Mcleod for fighting forest fires [CED 22: Fire Fighting]



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Indian Standard

TOOL MCLEOD FOR FIGHTING FOREST FIRES-SPECIFICATION

भारतीय मानक

दावाग्नि बुझाने के लिए ग्रौजार मेकलियोड - विशिष्टि

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BUREAU OF INDIAN STANDARDS MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG NEW DELHI 110002

May 1990

Price Group 1

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards on 13 October 1989, after the draft finalized by the Fire Fighting Sectional Committee had been approved by the Civil Engineering Division Council.

Modern forest fire techniques in suppression of fires are being introduced in this country. Some of the important equipments which are required are relating to hand tools, water handing equipment, etc. On the request of Ministry of Environment and Forest, Indian Standards covering specification for some of the important tools are being formulated so that on the basis of the same, these could be indigenously manufactured in this country and also users could procure these tools of proper specification. This standard covers the specification for tool Mcleod which is used for the construction of fire line in deep puff, pine needled light bush and grass.

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: 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

TOOL MCLEOD FOR FIGHTING FOREST FIRES – SPECIFICATION

1 SCOPE

1.1 This standard covers the requirements for tool Mcleod which is used for construction of fire line in deep puff, pine needled light bush and grass for fighting forest fires.

2 REFERENCE

The Indian Standard IS 620: 1985 'General requirements for wooden tool handles (*fourth revision*)' is a necessary adjunct to this standard.

3 MATERIALS

3.1 The blade shall be made from steel containing 0.83 to 1.04 percent carbon, 0.30 to 0.50 percent manganese, not more than 0.40 percent phosphorus and not more than 0.05 percent sulphur.

The blade should be hardened to a value of not less than 38 and not more than 48 on the Rockwell C scale.

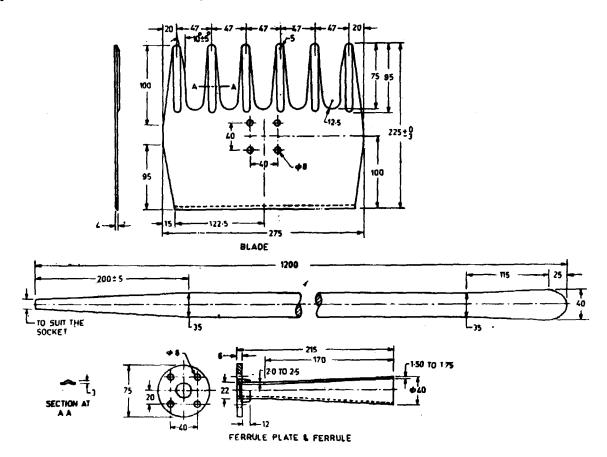
3.2 The handle shall conform to the requirements given in IS 620: 1985.

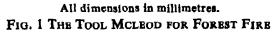
4 DIMENSIONS AND TOLERANCES

4.1 The dimensions and tolerances of blade and handle are given in Fig. 1.

5 WORKMANSHIP

5.1 The cutting edge shall be ground to a finish having an average roughness of not more than 0'4 micrometre. The ferrule and ferrule plate shall be painted or enamelled. The cutting edge shall be coated with light oil.





6 MARKING

6.1 The tool shall be marked with the nominal mass and manufacturer's initials and the recognized trade-mark.

7 SAMPLING AND CRITERIA FOR CONFORMITY

7.1 Sampling

7.1.1 Lot

The tool of the same type produced by the same manufacturer shall be grouped together to constitute a lot.

7.1.2 Each lot shall be considered individually for the purpose of evaluation of quality in accordance _____ with the specification.

7.1.2.1 The number of sample for testing to be taken at random from a lot and the criteria for conformity shall be as given in 7.1.2.2 and 7.1.2.3.

7.1.2.2 From each lot, a number of samples as indicated in col 2 of Table 1 shall be selected

at random. They shall be examined visually as far as possible in respect of requirement specified in 3, 5 and 6. All the samples tested shall pass these requirements for the lot to be declared to conform to these requirements.

7.1.2.3 In the absence of a certificate from manufacturer about the conformity of the specification for the material (see 4.1) one item each shall be taken from each consignment separately and examined individually in respect of the relevant requirement of the specification.

Table 1 Sampling for Lots Produced Under Quality Control System

(Clause 7.1 2.2)

No. of Items in the Lot	Sample Size	
(1)	(2)	
Up to 25	3	
-26 to 50	5	
51 to 109	6	

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Amendments Issued Since Publication		
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