

इंटरनेट

मानक

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IS 12796 (1989): Specification for fire rake [CED 22: Fire Fighting]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS 12796 : 1989

Indian Standard
FIRE RAKE — SPECIFICATION

भारतीय मानक
फायर रेक — विशिष्ट

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NEW DELHI 110002

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Price Group 1

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards on 20 September 1989, after the draft finalized by the Fire Fighting Sectional Committee had been approved by the Civil Engineering Division Council.

Modern forest fire techniques for suppression of fires are being introduced in this country. Some of the important equipments required are relating to hand tools, water handling equipment, etc. On the advice of the Ministry of Environment and Forest, Government of India, 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 the country, and also users could procure tools of proper specification. This standard covers the specification for fire rake which is used both for raking and cutting small brush in line construction of forest fires.

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

FIRE RAKE — SPECIFICATION

1 SCOPE

1.1 This standard covers the requirements for fire rake used both for raking and cutting small brush in line construction of forest fires.

2 MATERIALS

2.1 Composition of the steel of the components of the fire rake shall be as follows:

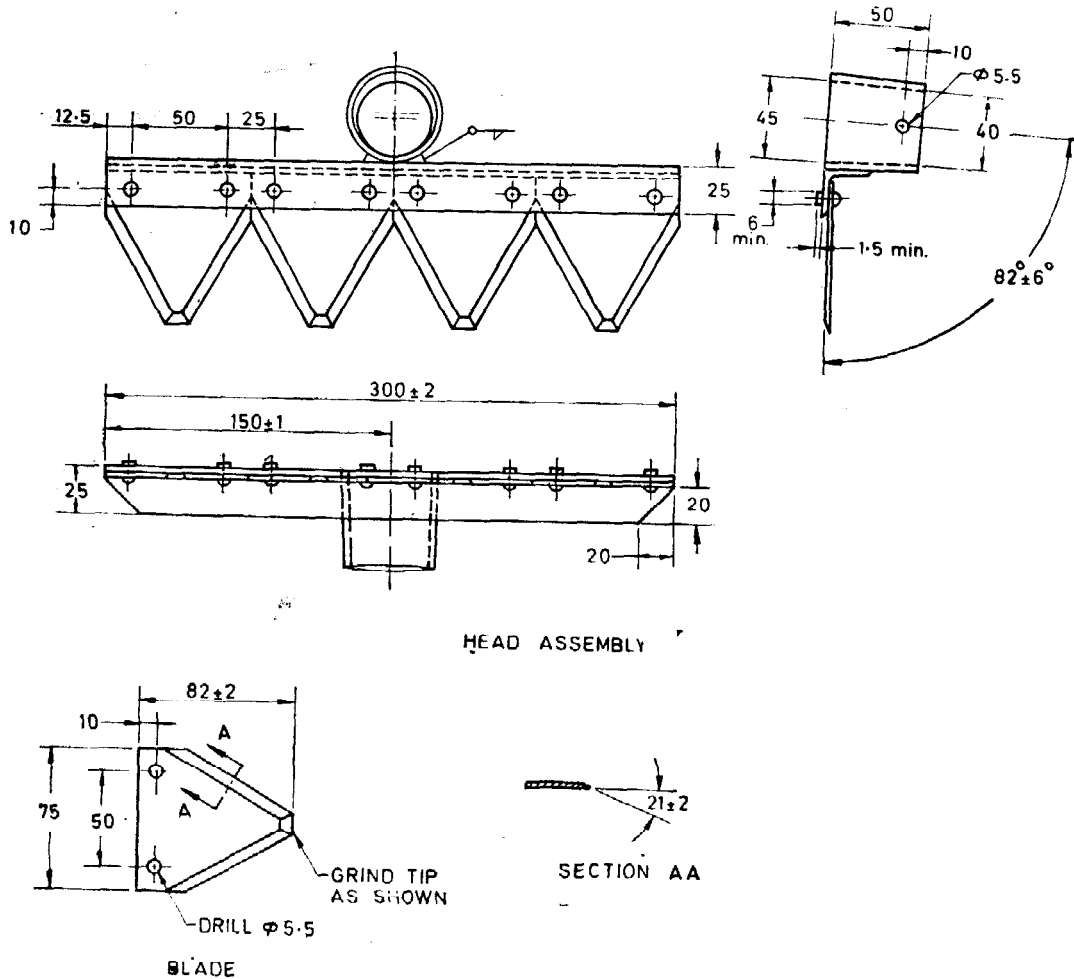
- Carbon 0.50 to 1.04 percent
- Manganese 0.30 to 0.50 percent
- Hardness 38 to 48 on Rockwell C scale

2.2 Handle

The handle shall conform to IS 2892 : 1980 Specification for wooden handles for picks and beaten (first revision).

3 DIMENSIONS AND TOLERANCES

3.1 The dimensions and tolerances are given in Fig. 1. The head assembly shall consist of 4 moving machined blades.



NOTE — Tolerances where not specified shall be ± 0.5 .
All dimensions in millimetres.

FIG. 1 FIRE RAKE

4 WORKMANSHIP

4.1 The tool shall be free from cracks, laps, burrs and other rough surfaces. The head shall be painted with a paint, blade section in the light film or oil.

5 MARKING

5.1 The fire rake shall be marked with the nominal mass and manufacturer's initial and the recognized trade-mark.

6 SAMPLING AND CRITERIA FOR CONFORMITY

6.1 Sampling

6.1.1 Lot

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

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

6.1.2.1 The number of sample for testing to be

taken at random from a lot and the criteria for conformity shall be as given in **6.1.2.2** and **6.1.2.3**.

6.1.2.2 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, 4 and 5. All the samples tested shall pass these requirements for the lot to be declared to conform to these requirements.

6.1.2.3 In the absence of a certificate from manufacturer about the conformity of the specification for the material (*see 2 and 3*), item shall be taken from each consignment separately and examined individually in respect of the relevant requirement of the specification.

Table 1 For Lots Produced under Quality Control System

(Clause 6.1.2.2)

No. of Items in the Lot	Sample Size
Up to 25	3
26 to 50	5
51 to 100	6

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