

Shelter Tool, Hoe, Long handle, large

Overview

Specifications

Item code	4000000074
Unit weight	N/A

Description

Hoe - Long Handle - Large

Material	Hot forged carbon steel, hardened and tempered, at a maximum the hardened zone should reach halfway up the back of the blade.
Corrosion protection	Black paint
Quality of make	No excess metal in the eye, no dent on the cutting edge, reinforced head with a rib from the eye to the middle of the blade length.
Hardness Rockwell C	35 minimum to 48 maximum HRC in hardened zone of the blade.
Carbon content	0.5% to 0.8%
Manganese content	0.6% to 1.2%
Silicone	0.37% maximum
Phosphorus & Sulphur	0.06% maximum
Dimensions, full piece	180 x 310 mm +/-10mm including the eye
Hole diameter	High raised neck, frontside 43 mm, back side 48 mm +/-2mm
Weight	1.250kg +/- 150g, without handle, depending on the type of hoe
Strength testing	<ul style="list-style-type: none"> Using a fitted, standard hardwood handle, clamp the blade of the hoe near the handle in a horizontal position. Gradually apply a load of 45kg and maintain it for 2 minutes. This should not result in any damage to the blade or a loosening of the handle, and no permanent set in excess of 25mm. With one centimetre of the end of the blade secured in a clamp, move the handle back and forth 30degrees. There should be no permanent set greater than 25mm. With the hoe held in a digging position, a 37mm in diameter piece of wood is hit hard against it. The blade should not buckle or break.

Hoe - Long Handle - Large**Handle**

No chips, rough surfaces, cracks, holes or knots. Smooth, polished varnish surface. Dry, strong, and flexible wood. Moisture min 10%, max 15%. Handle adapted to head so that it protrudes from and blocks on the other side of the head. Total length 1100mm to 1150mm.

Other Entries in this Topic

- [Emergency Relief Items Catalogue](#)

Contacts

For further information, contact sheltersupport@iom.int.

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