

## Shelter Tool, Hoe, Long handle, large

### Overview

#### Specifications

Item code	4000000074
Unit weight	N/A

### Description

#### Hoe - Long Handle - Large

<b>Material</b>	Hot forged carbon steel, hardened and tempered, at a maximum the hardened zone should reach halfway up the back of the blade.
<b>Corrosion protection</b>	Black paint
<b>Quality of make</b>	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.
<b>Hardness Rockwell C</b>	35 minimum to 48 maximum HRC in hardened zone of the blade.
<b>Carbon content</b>	0.5% to 0.8%
<b>Manganese content</b>	0.6% to 1.2%
<b>Silicone</b>	0.37% maximum
<b>Phosphorus &amp; Sulphur</b>	0.06% maximum
<b>Dimensions, full piece</b>	180 x 310 mm +/-10mm including the eye
<b>Hole diameter</b>	High raised neck, frontside 43 mm, back side 48 mm +/-2mm
<b>Weight</b>	1.250kg +/- 150g, without handle, depending on the type of hoe
<b>Strength testing</b>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>

**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](mailto:sheltersupport@iom.int).

Document last updated: Oct 2022