

## Shelter Tool, Shovel, round point, Y handle

### Overview

#### Specifications

Item code	4000000008
Unit weight	N/A

### Description

#### Shovel - Round point - Y Handle

<b>Material</b>	Pressed carbon-steel, hardened and tempered
<b>Corrosion protection</b>	Black paint
<b>Quality of make</b>	No excess metal in the eye, no dents, no cracks, soft edges.
<b>Hardness Rockwell C</b>	35 minimum to 48 maximum HRC
<b>Carbon content</b>	0.4% to 0.6%
<b>Manganese content</b>	0.5% to 1%
<b>Silicone</b>	0.37% maximum
<b>Phosphorus and sulphur</b>	0.06% maximum
<b>Dimensions, full piece</b>	295 x 225mm +/-15mm
<b>Hole diameter</b>	Front side 36mm, backside 40mm, +/-5%
<b>Weight</b>	1kg +/- 50g, without handle
<b>Strength testing</b>	<ul style="list-style-type: none"> <li>• Using a fitted, standard hardwood handle, clamp the blade of the shovel 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.</li> <li>• With the shovel 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>

### Shovel - Round point - Y Handle

#### Handle

No chips, rough surfaces, cracks, holes or knots. Smooth, polished varnish surface. Dry, strong and flexible wood. Moisture minimum 10%, maximum 15%. Handle adapted to head so that it can be blocked and secured with a nail. Total length 1070mm +/-50mm (head included). The other end of the handle is made in a Y-shape with same quality of wood. The branches of the Y handle must be made of good-quality iron, securely fitted to the handle.

## Other Entries in this Topic

- [Emergency Relief Items Catalogue](#)

## Contacts

For further information, contact [sheltersupport@iom.int](mailto:sheltersupport@iom.int).

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