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Unit & Spare Parts



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179 Mulgool road, Malaga WA - 6090

Ph: 08 9248 8884

@: info@penetrometers.com.au

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Dynamic Cone Penetrometer - User Guide by Elson Abraham

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Second edition, October 2021

Cover Design by Elson Abraham

Printed in Western Australia.

Author: Elson Abraham

Product Development Engineer

Benchmark Engineering Pty Ltd, Perth

179 Mulgul Road, Malaga WA - 6090

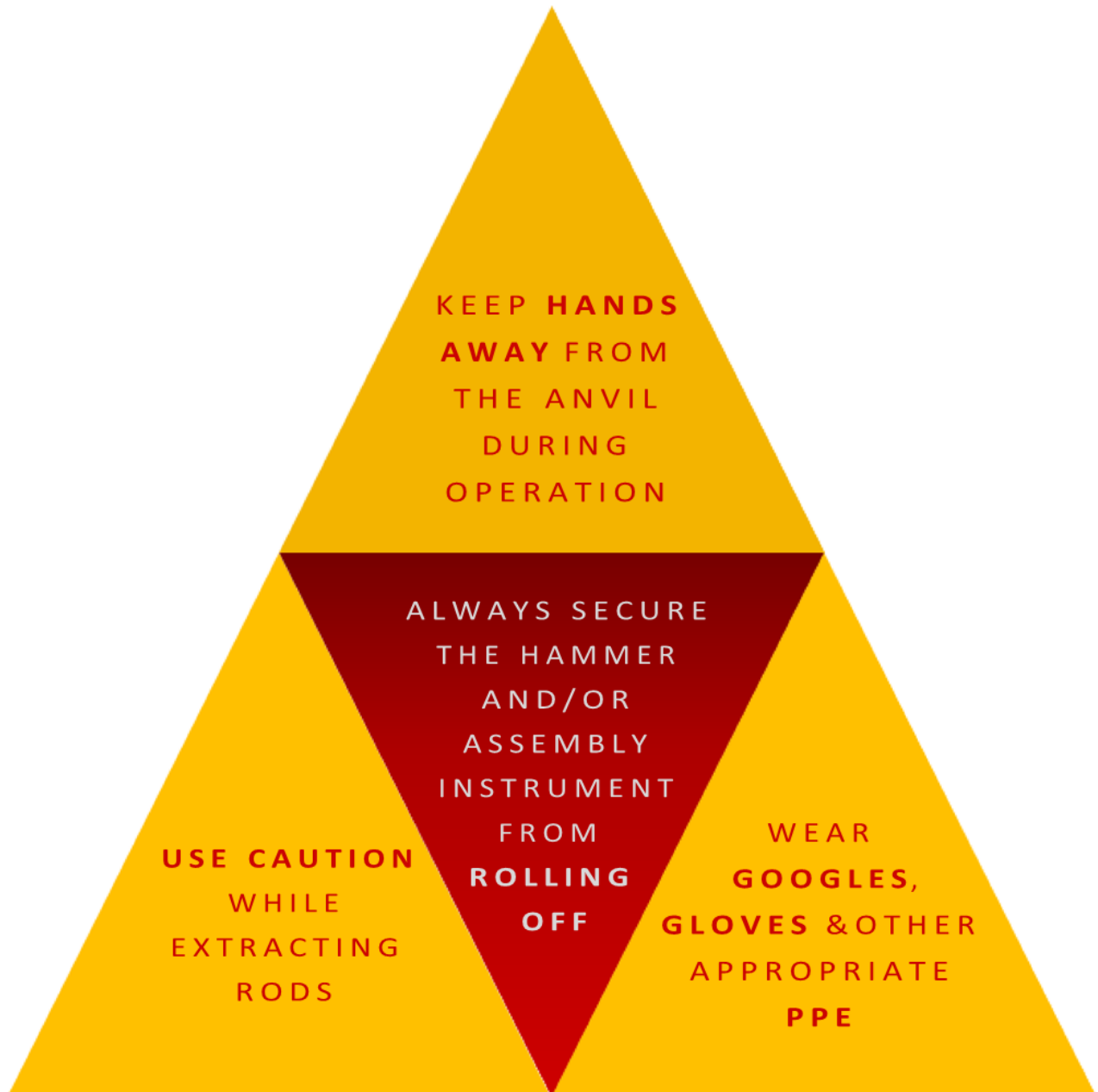
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1. SAFETY NOTICE



- Please strictly adhere to the instrument's guidelines for usage, care, and handling safely. The manufacturer cannot be held responsible for damages caused by inappropriate use of the product.
- Do not tamper or modify the device for any reason.
- During transportation or storage, ensure the hammer is supported enough to reduce bending of the penetrometer rod. We recommend using the carry case for transporting.

2. PENETROMETERS

1-piece PSP kit

Product Code: B0007-00



Figure 1: 1-piece PSP kit

1-piece DCP kit

Product Code: B0011-00



Figure 2: 1-piece DCP kit

2-piece PSP kit

Product Code: B0001-00

It comes with:

- Top and Bottom rod assembly
- 9 kg Hammer
- Hardened PSP Tip
- 50mm groove spaced lower shaft

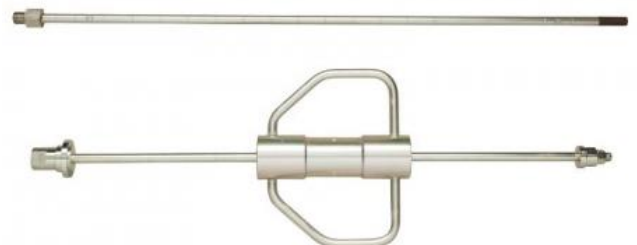


Figure 3: 2-piece PSP kit

2-piece DCP kit

Product Code: B0002-00

It comes with:

- Top and bottom rod assembly
- 9 kg Hammer
- Hardened DCP Tip
- 50mm groove spaced lower shaft

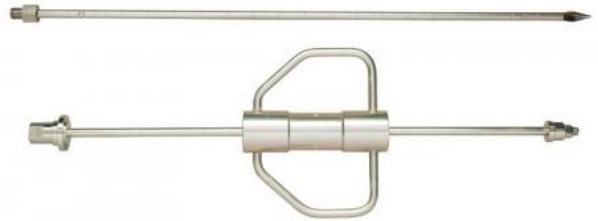


Figure 4: 2-piece DCP kit

3m PSP kit

Product Code: B0005-00

It comes with:

- Top Rod assembly
- 9kg Hammer
- 2 x Hardened PSP Tip
- Stub Adaptor
- 3 x 1 meter extensions 150mm groove spacing
- 2 x 14.0mm open-ended spanners

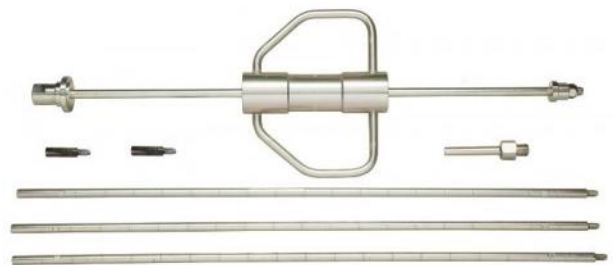


Figure 5: 3-meter PSP kit

3m DCP kit

Product Code: B0004-00

It comes with:

- Top Rod assembly
- 9kg Hammer
- 2 x Hardened DCP Tip
- Stub Adaptor
- 3 x 1 meter extensions 50mm groove spacing
- 2 x 14.0mm open-ended spanners



Figure 6: 3-meter DCP kit

Universal Perth Sand / Dynamic Cone Penetrometer kit with carrying case

It comes with:

- Top Rod
- 9kg Hammer
- 2 x Hardened DCP Tips
- 2 x Hardened PSP Tips
- Stub Adaptor
- PSP to DCP Adaptor
- 3 x 1 meter extensions 50mm groove spacing
- 2 x 14.0mm open-ended spanners
- 4mm Allen Wrench
- Benchmark Penetrometer carry case*












Figure 7: 3-meter PSP kit






*Case Features:

- Manufactured from high impact polymer.
- Includes purge valve for quick equalisation after changes in atmospheric pressure.
- Valuables can fit into high-density foam inserts, for total protection against elements.
- Watertight, vibration proof, dustproof, shockproof, lightweight, stackable, chemical resistant, corrosion-proof.
- Super strong latches
- Black finish
- Fully lockable (requires padlocks)
- External Dimensions: 1320mm x 400mm x 170mm
- Internal Dimensions: 1270mm x 300mm x 125mm
- Weight: 10.3Kg

3. SPARE PARTS

Product Code	# Item	Image
B0001-09	7/16-20 UNF connector screw	
B0002-01	DCP hardened tip	
B0001-01	PSP hardened tip	
B0003-00	Stub shaft	

B0006-00	<p>1m DCP extension rod</p> <p>(50mm groove increments)</p>	
B0001-07	<p>9kg hammer</p>	
B0150-00	<p>Precision PSP Tip Gauge</p>	
B0152-00	<p>PSP to DCP Adaptor Kit</p>	
B0001-02	<p>Replacement bottom shaft assembly</p>	

B0002-05	Replacement DCP top shaft assembly	
B0001-05	Replacement PSP top shaft assembly	
B0009-00	SA DCP hardened tip	
B0018-00	1-piece DCP without hammer	
B0008-00	1-piece PSP without hammer	

B0010-00	<div>Carry Case to suit 2 piece and 3m DCP/PSP</div>	
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