TECHNICAL MANUAL
PRO PLUG Secret Fix Plugs & Screws

1. **Introduction**
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1.1 About This Manual:

This manual has been developed to effectively assist fabricators and contractors to work with PRO PLUG. Due to the uncontrollable conditions onsite and different methods of job scope, as well as the variable skills and judgment of installers and the quality of equipment, tools, etc, the suggestions and recommendations contained in this manual are provided without warranty. The information and recommendations herein are believed to be correct at time of publishing.

BLUECHIP reserves the right to revise the contents of this manual without prior notice. Any construction or use of the product must be in accordance with all local zoning and/or building codes and in accordance with the current NCC at the time of use. Except as contained in a written warranty certificate, the supplier does not provide any other warranty, either express or implied, and shall not be liable for any damages, including consequential damages.

1.2 Company Background:

Founded in 2003 by five brothers, BLUECHIP has grown every year since to become one of Australia's leading suppliers of architectural building envelopes. BLUECHIP's product range covers the complete system from the structure out including all types of cladding materials, composite decking, sub-framing, insulation, waterproofing and fixings.

With offices in Sydney, Melbourne and Perth, BLUECHIP has supplied more than 3,000,000m2 of materials to Australian projects since 2003. Our commitment to innovation and ongoing investment in R&D ensures BLUECHIP will continue to lead the market with BCA/NCC compliant facade solutions in the years ahead.

For architects and consultants, BLUECHIP's wide range of different materials and 'complete-system' approach enables the creation of inspiring high-performance facades. For builders and contractors, BLUECHIP's large local stock, well established supply chains and genuine appreciation for our clients means you can trust us to deliver as promised every time.

1.3 Company Details:

Company: Blue Chip Group Pty Ltd
ABN: 98 162 282 064
Locations: Sydney | Melbourne | Brisbane | Perth
Phone: 1300 945 123
Email: sales@bluechipgroup.net.au

2.1 Product Description:

The PRO PLUG system is a superior and easy-to-install plug fastening system for secret fixing using special screws. It is ideal for fixing edge-boards, fascia boards and the leading edge of the first board and the final edge of the last board when using secret fixing clips.

1. Driver Auto-Stop Mechanism:
This unique patented tool drives screws to the correct depth below the surface. It features an Auto-Stop mechanism that, once target depth is reached, the tool disengages the driver bit and stops the screw from driving further, preventing the screw from stripping.

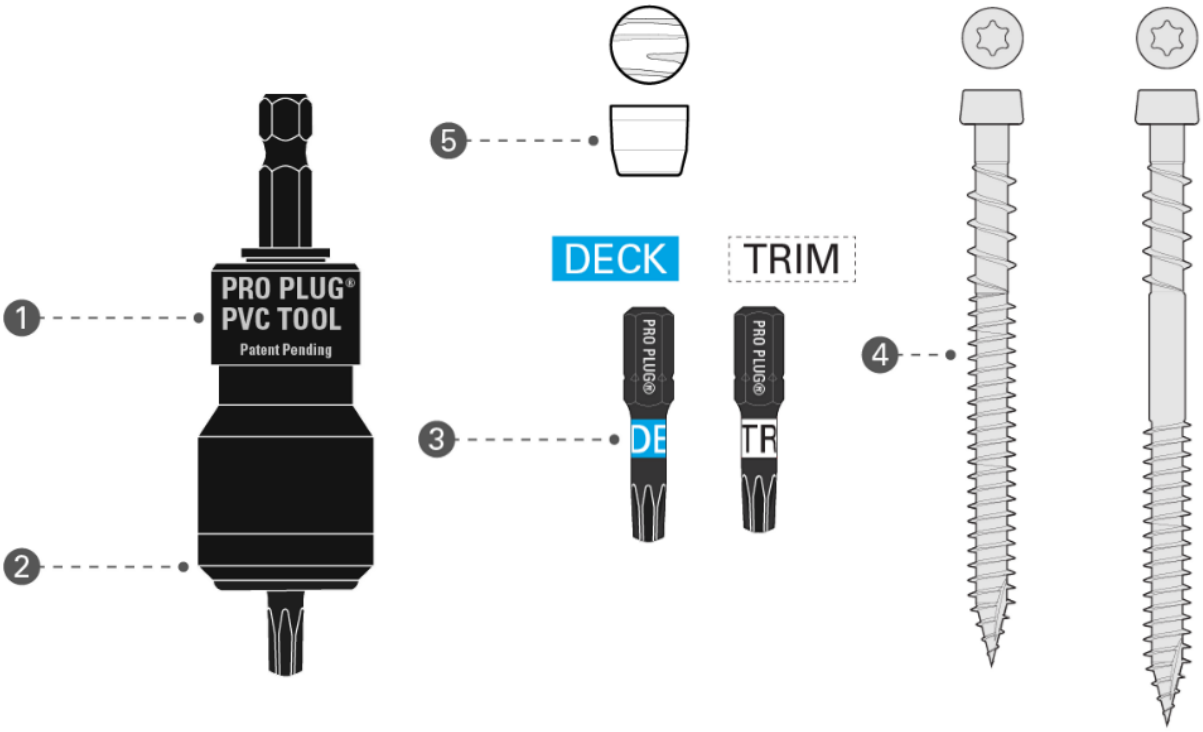
2. Driver Free Spinning Stop Collar:
The free spinning stop collar is fitted with a rubber O-ring to prevent damage to the decking.

3. Special Driver Bits:
Driver bits used with the Driver Tool are replaceable. There are two types of driver bits: DECK bits and TRIM bits, each optimized for their specific application. Kits include spare bits.

4. Specialist Screws:
Supplied as either 316 Stainless Steel timber screws or 410 Stainless Steel metal screws, all screws feature a star drive recess and when driven below the surface with the Driver Tool, the fasteners create a perfect hole for the plug, without any need for pre-drilling.

5. Pro Plug Decking Plugs:
Made from the actual decking material for a perfect match, Pro Plugs® come in a 125-piece 'Handy Pack' including timber screws and a driver tool. They also come in 375-piece packs.

2.2 System Components – Numbered as per Above:



3.1 Installation Guidelines:

- Before use, read and follow all instructions provided by the decking manufacturer, including fastener spacing and any specific pre-drilling instructions (at board ends and other locations).
- Always test the PRO PLUG system first to make sure you approve of the appearance and function. If you are unsatisfied or have any concern, do not proceed further.
- Insert the appropriate driver bit into the PRO PLUG Driver Tool. The “Deck” bit is for composite decking and the “Trim” bit is for PVC trims. For TRAXION and Deckorators mineral-fibre decking use the “Deck” bit.
- *Replacing Driver Bits:* Disconnect power and retract tool fully; remove bit with pliers. To insert a new bit, retract tool fully and insert bit all the way into tool. Tip: rotate bit slightly while inserting.
- The PRO PLUG system is supplied with Marine Grade 316 Stainless Steel timber screws for timber framing or Grade 410 Stainless Steel metal screws for metal framing. For applications near water or where corrosion from salt water, salt air or chemicals is a concern, use Marine Grade 316 stainless steel screws. The metal screws have a self-drilling point and can be used in steel or aluminium up to 4mm thick.
- The proprietary Driver Tool must be used to set the screws (with either the “Deck” or “Trim” bit depending on the application) to the correct depth. Use an 18V (or higher) cordless drill on the highest speed setting.
- Drive the screw at high-speed with the Driver Tool at 90 degrees to the decking surface and in a straight and stable fashion with a standard battery drill* until the Auto-Stop mechanism engages. Do not hesitate or slow down. The screw is at the correct depth when the Auto-Stop™ mechanism engages fully. In most deck and trim materials, the tool makes a pop sound indicating that the screw has reached the correct depth below the board surface.
- ***Note: Impact drivers may not set screws to the correct depth. Standard drills are recommended, and impact drivers should NOT be used.**
- Insert the PRO PLUG into the hole above the fastener and tap it into place with a smooth face steel hammer until it is flush with the decking surface. Keep hammer head flat with the board to prevent surface marring.
- Decking boards should be kept dry and holes free of debris before inserting plugs. Insert plugs shortly after the screws. Do not leave overnight or let moisture get into the holes. To remove plugs: drive a screw into the plug and pull out.
- The PRO PLUG system consists of several parts designed to work together as a system with a specific decking board. All parts must be used together, as instructed, to ensure proper function.
- Further instructions and installation notes are included in every PRO PLUG kit.