

Wedge Assembly (SSECA)

Technical Data Guide

Wedge Assembly Components

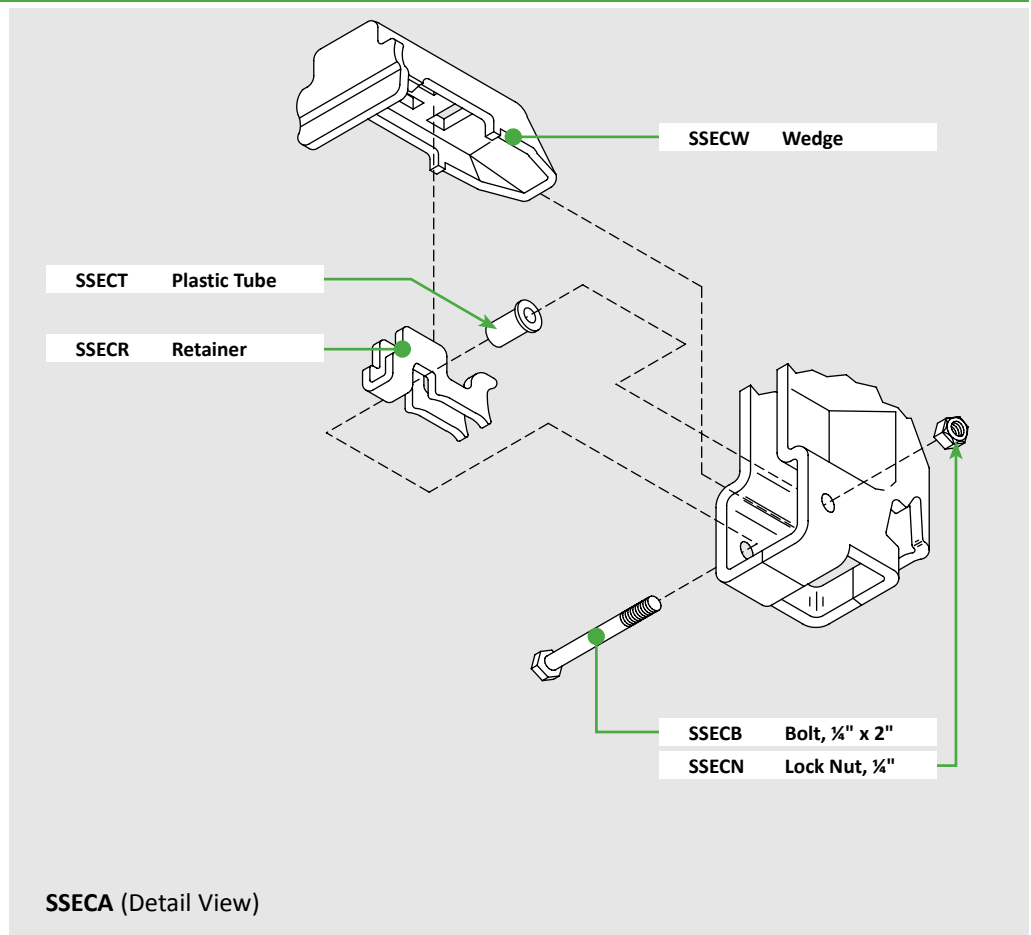
The Wedge Assembly serves as the end connector locking mechanism for Systems™ Scaffold.

Wedge: The wedge secures the end connector to the ring set of the member to which it is attached.

Retainer: The retainer holds the wedge in place when the wedge is fully driven in, which allows the retainer to drop. The wedge cannot be removed until the retainer is lifted. The retainer will function with or without the plastic tube.

Plastic Tube: The plastic tube holds the wedge in the disengaged position, which allows for easier installation of the end connector. Without the tube, the wedge can more easily move to the engaged position during transit and handling, and it must then be pulled back before the end connector can be installed.

Bolt and Lock Nut: The bolt and nut hold the wedge assembly together.



Inspection and Maintenance

The wedge assembly shall be inspected regularly. If any of the components have severe rust, cracks, or are deformed, they shall be replaced. If the plastic tube is missing or is badly cracked, it shall be replaced. When replacing parts of the wedge assembly, a new bolt and nut shall be used.

2 Wedge Positions and Operation

Wedge Operation



Figure 1 – Wedge Operation (Disengaged)

Wedge is fully disengaged (Fig. 1)

- End connector is fully seated in ring set
- Retainer is raised



Figure 2 – Wedge Operation (Contacting Ring)

Wedge contacts ring (Fig. 2)

- Wedge contacts bottom of lower ring
- Retainer remains raised



Figure 3 – Wedge Operation (Locked)

Wedge is locked (Fig. 3)

- Wedge is fully engaged
- Retainer drops, locking wedge

Wedge Retainer Operation with Plastic Tube

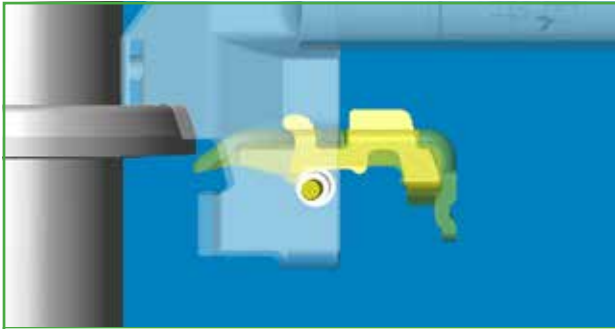


Figure 4 – Wedge Retainer with Plastic Tube (Disengaged)

Wedge is fully disengaged (Fig. 4)

- End connector is fully seated in ring set
- Retainer is raised
- Plastic tube provides resistance to raised retainer

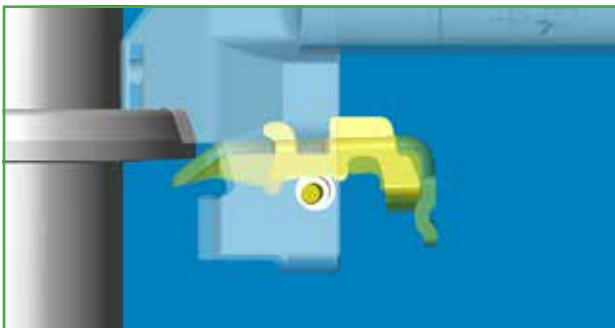


Figure 5 – Wedge Retainer with Plastic Tube (Contacting Ring)

Wedge contacts ring (Fig. 5)

- Wedge contacts bottom of lower ring
- Retainer remains raised
- Plastic sleeve prevents premature engagement of wedge
- Plastic sleeve keeps wedge in disengaged position until driven forward with hammer

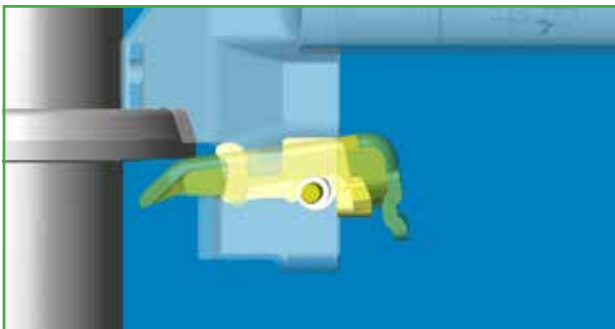


Figure 6 – Wedge Retainer with Plastic Tube (Locked)

Wedge is locked (Fig. 6)

- Wedge is fully engaged
- Retainer drops, locking wedge

Wedge Retainer Operation without Plastic Tube

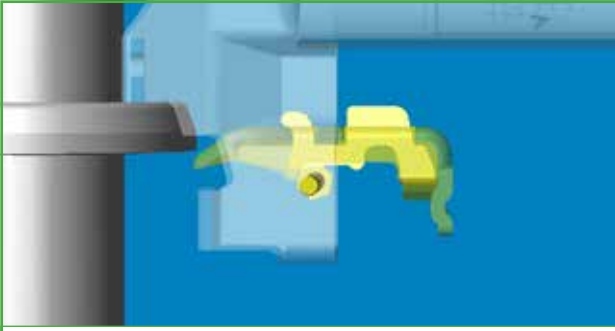


Figure 7 – Wedge Retainer without Plastic Tube (Disengaged)

Wedge is fully disengaged (Fig. 7)

- End connector is fully seated in ring set
- Retainer is raised
- Wedge is free to move in or out

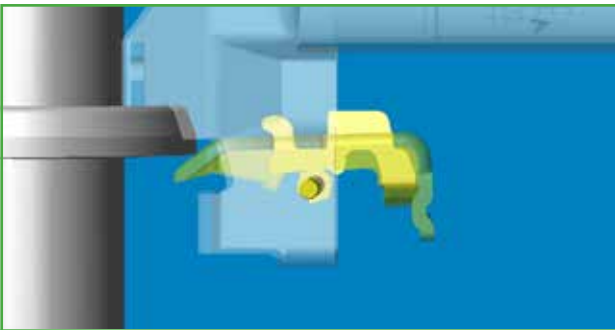


Figure 8 – Wedge Retainer without Plastic Tube (Contacting Ring)

Wedge contacts ring (Fig. 8)

- Wedge contacts bottom of lower ring
- Retainer remains raised

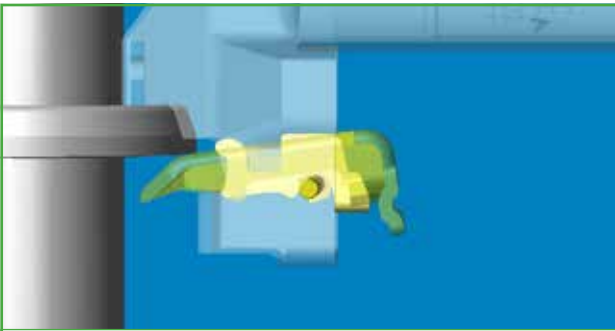


Figure 9 – Wedge Retainer without Plastic Tube (Locked)

Wedge is locked (Fig. 9)

- Wedge is fully engaged
- Retainer drops, locking wedge

All drawings in this guide are for illustrative purposes only. This guide is intended for general information purposes only. Because of the many variables which affect the performance of the product line, some of the information in this brochure may not apply. For specific applications, contact BrandSafway.

Note: All scaffolds shall be erected, modified and dismantled only under the supervision of a Competent Person. Erection, use, maintenance and disassembly must conform to current manufacturer's instructions as well as all federal, state, provincial and local regulations. Copies of complete Safety Guidelines for these and other products are available from BrandSafway without charge.

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