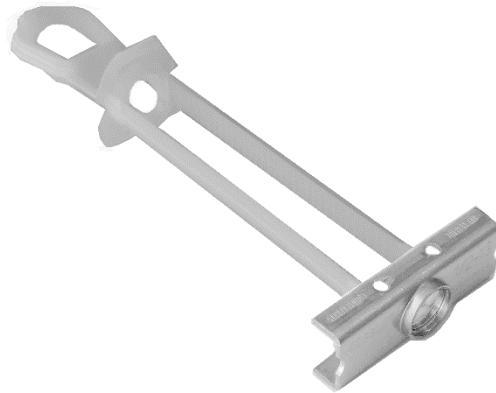


Toggle Bolts, Heavy-Duty, Stainless Steel



1. Scope

This standard covers the requirements for heavy-duty, stainless steel, toggle bolts. Toggle bolts are also known as hollow-wall anchors.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Description
014412	3/8"-16, box of 25
014413	1/2"-13, box of 25

2. Application

Toggle bolts are used to attach brackets to fiberglass poles. A 3/4" drill hole is required. Grip range is 3/8" to 2-1/2".

This product features a one-piece steel anchoring channel that does not fall behind the wall when the bolt is removed, allowing re-use of the anchor in the same hole. The channel pivots on the durable installation legs. The sliding cap zips down the legs to securely "capture" the wall between the channel and the cap. The legs snap off easily, flush with the wall, but do not break prematurely.

To use, place item to be attached, insert bolt, and tighten flush.

Standards Coordinator
John Shipek

Standards Supervisor
John Shipek

Unit Director
Andrew Strong

3. Requirements

Toggle bolts shall install in 3/4-inch drill holes.

Anchor channels shall be 300 series stainless steel.

Anchor channels shall incorporate 3/8-16 or 1/2-13 unified course threads (UNC series), as specified in Section 6.

Straps shall be high-impact polystyrene.

Straps shall incorporate ergonomic handles of high-impact polystyrene.

Caps shall be translucent polypropylene.

Toggle bolts shall be shipped pre-assembled.

4. Packaging

Toggle bolts shall be packaged 25 to a box.

Each box shall be marked with:

- Manufacturer identification
- Manufacturer catalog number
- Product description
- SCL stock number

Each shipping containers shall be legibly marked with the following information:

- SCL purchase order number

5. Issuance

Stock Unit: EA

6. Approved Manufacturer

Stock No.	Manufacturer	Part No.	Series	UNC Thread	Quantity
014412	Toggler	21022 BCS-25	BCS	3/8"-16	25
014413	Toggler	21023 BDS-25	BDS	1/2"-13	25

7. Sources

Shipek, John; SCL Standards Supervisor, originator, and subject matter expert for 7800.81 (john.shipek@seattle.gov)

www.toggler.com