
Safety, Goggles, Face Shields and Accessories



1. Scope

This standard covers the requirements for face shields, face shield frames, face shield headgear and safety goggles.

This standard applies to the Seattle City Light stock numbers listed in Section 8.

2. Application

Safety goggles are intended to protect the eyes, eye sockets, and the facial area immediately surrounding the eyes from liquid or chemical splashes.

Face shields are intended to protect the wearer's partial or entire face and eyes from projectiles and chemical splashes. Face shields should be used in conjunction with safety glasses and/or goggles.

Face shield frames (Stock No. 110083) are compatible with cap style hard hats, stock numbers 110020 and 110021.

Face shields, stock nos. 110084 and 110089, are compatible with face shield frames (Stock No. 110083) and face shield headgear (Stock No. 110087).

Face shield headgear (Stock No. 110087) is not compatible with hard hats.

Face shield headgear may be worn where a hard hat is not required, but eye and face protection from chemical splash or projectiles is desired.

3. Industry Standards

Face shields and safety goggles shall meet the requirements of the following industry standard:

ANSI / ISEA Z87.1-2015 - Occupational and Educational Personal Eye and Face Protection Devices

4. Requirements

4.1 Safety Goggles

Safety goggle requirements shall be as described below:

- Rated high impact class, as defined in ANSI Z87.1, Section 5.3.
- Have clear, scratch- and impact-resistant polycarbonate lens
- Have anti-fog lens
- Be indirect ventilated
- Have soft side-shields
- Include adjustable latex-free elastic strap
- Provide chemical or liquid splash protection

4.2 Face Shield Windows

Face shield windows shall be high impact class, as defined in ANSI Z87.1.

Face shield windows shall have the following attributes:

110084

Description	Face shield window
Dimension	8" x 15.5" x 0.040"
Material	Polyethylene terephthalate glycol (PETG) or polycarbonate
Hole Pattern	Universal 7 – slots
Color	Clear

110089

Description	Face shield window
Dimension	8" x 15.5" x 0.060"
Material	Polycarbonate, Lexan
Hole Pattern	Universal 7 – slots
Color	Clear

4.3 Face Shield Frames

Face shield frames shall have the following attributes:

- Be made of high-density polyethylene (HDPE)
- Have universal 7 slot hole tabs to hold face shield windows
- Be blue
- Have adjustable pivots
- Have slotted cap adapters

4.4 Face Shield Headgear

Face shield headgear shall have the following attributes:

- Be made of polyethylene
- Have universal 7 slot hole tabs to hold face shield windows
- Be blue/black
- Have a ratchet-adjustable headband with large sparkguard
- Have adjustable pivots
- Have cam lock face shield retention

5. Marking

Face shield windows and safety goggles shall be marked according to the requirements of ANSI Z87.1.

Face shield windows and safety goggles shall be marked with Z87.1+. This indicates that the lenses meet the ANSI high impact criteria rating.

6. Packaging

Product shall be packaged to prevent damage during shipping, handling, and inside storage.

Individual packages shall be legibly marked with:

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

Shipping containers shall be legibly marked with:

- SCL purchase order number

7. Issuance

Stock No.	Unit
110084, 110089, 110083, 110087	EA
110111	PR

8. Approved Manufacturers

Stock No.	Description	Manufacturer	Product No.	
110084	8" x 15.5" x 0.040" clear, face shield window	Paulson International	S16-PE4	
		Gateway Safety	660	
		Honeywell-North	A8150/40	
110089	8" x 15.5" x 0.060" clear, face shield window	Paulson International	IM9-L6F	
110083	Face shield frame for hard hat (Compatible with stock numbers 110020 and 110021)	Paulson International	CB2-S	
110087	Face shield headgear	Paulson International	HG4-S	
110111	Anti-fog, clear safety goggle	Liberty/ProvizGard	1790 C/AF Pulsar	

9. Sources

<http://gatewaysafety.com/>

<https://industrialsafety.honeywell.com/en-us>

<https://libertyglove.com/>

SCL Stock Catalog page 11-46; April 29, 2011

SCL Stock Catalog page 11-48; October 14, 2013

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