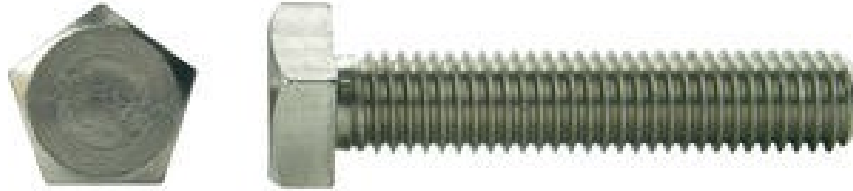


Bolts, Penta-Head, Stainless Steel



1. Scope

This standard covers the requirements stainless steel, Penta-head bolts.

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

Stock No.	Description
014743	3/8" x 1-1/2"
014744	1/2" x 2-1/2"

2. Application

Penta-head bolts are used to provide extra security to handholes and vault doors.

3. Industry Standards

Penta-head bolts shall meet the applicable requirements of the latest revision of the following industry standards:

ASME B18.12; Glossary of Terms for Mechanical Fasteners

ASTM F593; Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs

ASME B18.2.1; Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex, Hex Flange, Lobed Head, and Lag Screws (Inch Series)

ASTM A380; Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems

4. Requirements

Dimensions and other physical attributes of Penta-head stainless steel bolts shall be as defined in Figure 4 and Table 4.

Standard Coordinator
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Figure 4. Penta-Head Bolt

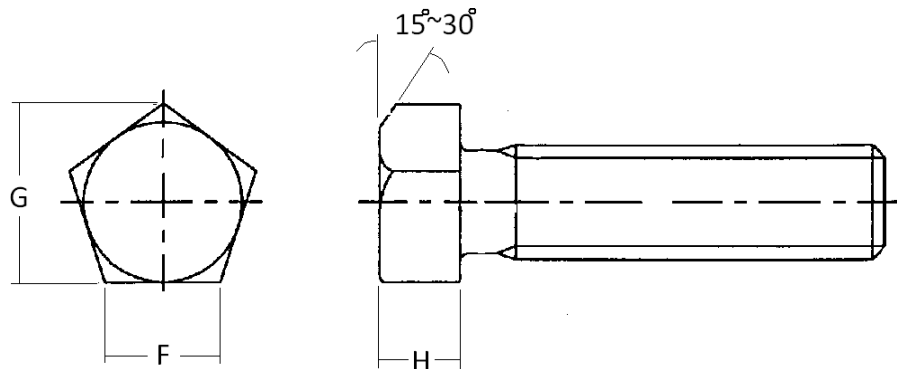


Table 4. Penta-Head Bolt Requirements

Stock No.	Diameter (in)	Threads per inch	Product Length (in)	Thread Type	Penta Head Dimensions (in)			
					G (max)	G (min)	F (nom)	H (min)
014743	3/8	16	1-1/2	Machine	0.86	0.83	0.55	0.30
014744	1/2	13	2-1/2	Machine	0.86	0.83	0.55	0.30

5. Marking

Bolt heads shall be marked according to ASME B18.2.1, Section 2.8. with the manufacturer symbol or identification mark and grade.

6. Packaging

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

Bolts shall be packaged 25 or 50 per box.

Each standard package shall be legibly marked with the following information:

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

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

- SCL purchase order number

7. Issuance

Stock Unit: EA

8. Approved Manufacturers

- Fastenal
- Seattle Nuts & Bolts
- Loss Prevention Fastener & Tools
- Mt. Hood Fastener

9. Sources

Wang, Quan; SCL Standards Engineer, originator, and subject matter expert for 7847.47

www.fastenal.com

www.losspreventionfasteners.com

www.mthoodfastener.com

www.seattlenutandbolt.com