

Sockets, 1/2-Inch Square Drive



1. Scope

This standard covers the requirements for 1/2" square drive sockets, regular depth and deep well.

Regular-depth sockets are also known as shallow sockets.

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

Regular Depth Sockets:

Stock No.	Size (in)	No. of Points
765263	1/2	8
765264	9/16	"
765265	5/8	"
765267	3/4	"
765268	13/16	"
765276	7/16	12
765277	1/2	"
765278	9/16	"
765279	5/8	"
765280	11/16	"
765281	3/4	"
765282	13/16	"
765283	7/8	"
765284	15/16	"
765285	1	"
765286	1-1/16	"
765287	1-1/8	"
765289	1-1/4	"

Deep Well Sockets:

Stock No.	Size (in)	No. of Points
765294	7/16	12
765295	1/2	"
765296	9/16	"
765297	5/8	"
765306	11/16	"
765299	3/4	"
765300	13/16	"
765301	7/8	"
765307	15/16	"
765303	1	"
765304	1-1/16	"
765305	1-1/8	"

2. Application

Sockets are used with a compatible socket wrench to turn nuts and bolts for tightening or loosening.

12-point sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.

8-point sockets are ideal for quick engagement on 4-point fasteners.

3. Industry Standards

Sockets shall meet the applicable requirements of the latest revision of the following industry standards:

ASME B107.110 - Socket Wrenches, Handles, and Attachments

SAE AS4984A – Coating Requirements for Aerospace Hand Tools

4. Requirements

Product requirements shall be as shown and described below and as defined in Section 7.

Figure 4a. Regular Depth Sockets



Figure 4b. Deep Well Sockets



Sockets shall meet the following requirements:

- 1/2" square drive
- Vanadium steel alloy
- Chrome finish

Deep well sockets shall have an overall length of 3-1/2 inches.

5. Packaging

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

Individual packages shall be legibly marked with:

- Manufacturer name
- Manufacturer catalog number
- Product description
- Seattle City Light stock number

Shipping containers shall be legibly marked with:

- Seattle City Light purchase order number

6. Issuance

Stock Unit: EA

7. Approved Manufacturers

Regular-depth sockets:

Stock No.	Size(in.)	No. of Points	Williams Tools Part No.	Proto Industrial Tools Part No.
765263	1/2	8	ST-816	5416S
765264	9/16	"	ST-818	5418S
765265	5/8	"	ST-820	5420S
765267	3/4	"	ST-824	5424S
765268	13/16	"	ST-826	5426S
765276	7/16	12	ST-1214	5414
765277	1/2	"	ST-1216	5416
765278	9/16	"	ST-1218	5418
765279	5/8	"	ST-1220	5420
765280	11/16	"	32222	5422
765281	3/4	"	ST-1224	5424
765282	13/16	"	32226	5426
765283	7/8	"	ST-1228	5428
765284	15/16	"	ST-1230 or 32230	5430
765285	1	"	ST-1232	5432
765286	1-1/16	"	ST-1234	5434
765287	1-1/8	"	32236	5436
765289	1-1/4	"	ST-1240	5440

Deep-well sockets:

Stock No.	Size (in)	No. of Points	Williams Tools Part No.	Proto Industrial Tools Part No.
765294	7/16	12	–	5314
765295	1/2	"	SD-1216	5316
765296	9/16	"	SD-1218	5318
765297	5/8	"	SD-1220	5320
765306	11/16	"	SD-1222	5322
765299	3/4	"	SD-1224	5324
765300	13/16	"	SD-1226	5326
765301	7/8	"	32428	5328
765307	15/16	"	SD-32430	5330
765303	1	"	SD-1232	5332
765304	1-1/16	"	SD-1234	5334
765305	1-1/8	"	32436	5336

8. Sources

Neuansourinh, Ponet; SCL Standards Engineer and originator of 7637.27
(ponet.neuansourinh@seattle.gov)

SCL Stock Catalog page 76-25; February 26, 2004

www.asme.org

www.protoindustrial.com

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www.snaponindustrialbrands.com