

## Drill Bits, Fractional Sizes



### 1. Scope

This standard covers the requirements for fractional-sized drill bits.

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

Stock No.	Size (in)
761681	9/16
761684	5/8
761687	3/4

Drill bits are also known as twist drills.

### 2. Application

Drill bits are used to drill holes in ferrous and nonferrous materials of low-to-medium tensile strength.

### 3. Industry Standards

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

**ANSI/ASME B94.11M**, Twist Drills

Standards Coordinator  
Ponet Neuansourinh

Standards Supervisor  
John Shipek

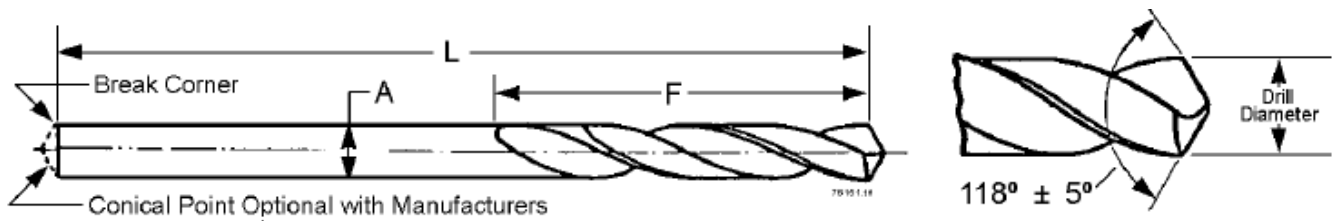
Unit Director  
Andrew Strong

#### 4. Requirements

Product shall meet the following requirements (see Figure 4):

- High speed steel
- 1/2-in shank diameter (A)
- 6-in overall length (L)
- 3-1/8-in, flute length (F)
- 118-degree angle, split point style
- “Three flats” shank type
- Right hand spiral-cut rotation
- Bronze and black oxide finish

Figure 4. Drill Bit Detail



#### 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:

- Manufacturer name
- Seattle City Light purchase order number

#### 6. Issuance

Stock Unit: EA

#### 7. Approved Manufacturer

Stock No.	Size (in)	Morse Cutting Tools Item No.
761681	9/16	19034
761684	5/8	19038
761687	3/4	19046

## 8. Sources

**Neuansourinh, Ponet;** SCL Standards Engineer and originator of 7615.25  
(ponet.neuansourinh@seattle.gov)

**SCL Stock Catalog page 76-27;** October 19, 2005

**[www.asme.org](http://www.asme.org)**

**[www.morsecuttingtools.com](http://www.morsecuttingtools.com)**