

Quantity discounts apply on multiples of the same item

ORTON PYROMETRIC CONES



Cone Prices

SRB Junior Cones (box of 50)\$9.10

- Commonly used in the Dawson Kiln-Sitter.
- Tapered shape gives some flexibility in adjusting the shutoff point.
- Can be used as mini witness cones in tight spaces.
- Melt at slightly higher temperatures than SSBs or LRBs.

BRB Mini Bars (box of 50) \$11.30

- Designed especially for the Dawson Kiln-Sitter.
- Uniform shape makes consistent placement easy.

LRB Large Cones (box of 50) \$12.70

- The original pyrometric cones.
- Widely used to visually monitor firing progress and heatwork throughout the kiln through viewing ports.
- Need to be supported by cone plaques, clay pats, or wire cone holders.
- Uniform mounting height and angle are very important.
- We stock cones 012 - 13

SSB Self-Supporting Cones (box of 25) ... \$9.05

- Preferred for use as witness cones on kiln shelves.
- Most accurate and easiest to use cones available.

CHS Wire Cone Holders (bag of 5)

1-5 @\$5.29
6-11 @\$4.24
12+ @\$3.71

MS517 ... 3-Hole Cone Plaque\$1.50
(use with LRB cones)

Common Firing Temperatures

The Greek letter Delta, or 'Δ', is the commonly used symbol for the word "cone." During firing, cones soften and melt as they are heated, and gravity causes them to bend. It usually takes 15 to 22 minutes for cones to bend fully once they begin melting.

Cone	°F	°C	Firing Type
022.....	1094	590	
021.....	1143	617	
020.....	1180	638	
019.....	1265	695	Mother-of-Pearl
018.....	1337	734	Gold, Lusters, China Paints, Decals, Enamel
017.....	1386	763	
016.....	1443	796	
015.....	1485	818	
014.....	1528	838	Glass Fusing
013.....	1578	861	
012.....	1587	882	
011.....	1623	894	
010.....	1641	915	
009.....	1693	930	
08.....	1751	956	Soft Bisque for Raku Work
07.....	1803	987	
06.....	1830	1013	
05.....	1915	1044	Hobby Ceramic Glazes
04.....	1940	1077	Hobby Ceramic Bisque, Pottery Bisque for Δ6-10 Clay
03.....	2014	1104	
02.....	2048	1122	
01.....	2079	1138	
1.....	2109	1154	Sanitary Ware Glaze Firing
2.....	2124	1164	Sanitary Ware Glaze Firing
3.....	2134	1170	
4.....	2167	1183	
5.....	2185	1207	Stoneware Glazes (beginning of range)
6.....	2232	1243	Porcelain Doll Full Bisque Maturity
7.....	2264	1257	Upper end of Stoneware Glaze range
8.....	2305	1271	
9.....	2336	1280	Pottery Glaze Firing (in wood or fossil-fueled kilns
10.....	2381	1305	and reduction atmospheres)

Temperatures are based on Self-Supporting Cones at 270 °F or 150 °C per hour rate of increase.

Cone numbers originally started at 1 and went to 20. Each higher cone number requires more heat to bend. Higher and lower cones were developed as demand grew. A zero was added in front of the number for cones maturing at temperatures below the original cone 1. Thus Δ01 needs less heat than Δ1, and Δ020 needs less than Δ019. It is important not to mix up the lower maturing cones, whose numbers begin with zero, with the higher maturing cones. Δ06 and Δ6 are not the same!