

WITHIN THE COLLECTION

A LOOK INSIDE THE FORT VANCOUVER MUSEUM



BEADS

NCRI CURATION SERIES NO. 5

INSIDE FRONT COVER



BEADS

BY

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Introduction

*By Robert J. Cromwell, Ph.D., Archaeologist,
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When I was asked by my colleagues to assist with the production of this bead guide, I was struck with the sheer magnitude and scale of this project. After more than 65 years of archaeology at Fort Vancouver National Historic Site, there are over 120,000 glass beads in the museum collection curated here. Previous analyses of this collection have indicated the presence of over 160 individual varieties, in a multitude of colors and shapes. Without a doubt, this assemblage of beads shows the tremendous challenge posed to historical archaeologists studying the 19th century fur trade, and the efforts that must be made to create a basic typology in order to understand it.

Beads have an ancient history, having been recovered from prehistoric archaeological sites from many cultures spanning the globe. Glass beads were certainly manufactured by the ancient Egyptians, and were marketed widely by the Romans throughout their empire. Glass beads are one of the most ubiquitous European items associated with the fur trade of North America. Glass trade beads have been recovered from fur trade sites throughout North America, dating from the 16th century on the east coast of North America to the early 20th century in places like northern Canada and Alaska. Beads were meant to function as an ornament, and there are numerous examples of beaded objects from North American fur trade cultures, ranging from clothing and storage bags, to horse tack and musket holsters. It is clear that most American Indian tribes who encountered glass beads through the fur trade market accepted them readily, and valued them for many different reasons. This led to beads acting as a form of currency at places like Fort Vancouver, where the Hudson's Bay Company (HBC) imported glass beads by the ton on an annual basis.



Historical evidence shows that the HBC imported these beads from England, through several different suppliers who purchased the beads from a variety of manufacturers. It is likely that the majority of these beads were manufactured in Venice, Bohemia (now the Czech Republic), and China.

During the 19th century, glass beads were manufactured in at least four primary ways. The most common type is known as drawn. To make these beads, a glass tube was created by heating a large hollow wand of glass, and stretching (or drawing) the tube in opposite directions, shrinking its diameter into an appropriate bead size. These tubes were then cut into three foot lengths, sorted into similar diameters, and eventually cut with a chisel-like tool into individual beads. Typically, these beads were then placed into a heated drum and “hot tumbled,” to remove their sharp edges. They could also be faceted with up to 20 individual facets ground into their surfaces. They would finally be sieved to sort them into various size classes.

The next most common bead type is known as wound. Wound beads were manufactured individually starting with a wire wand. The bead maker (often called a “lamp winder”) would heat individual wands of glass with a lamp, and once molten, wind the glass around the wand. Different colors of glass could be utilized to create a polychrome bead.

A less common manufacturing practice was molding beads with a two part mold (also known as a mandrel press—or “mandrel pressed beads”), which had pins on either mold to form the perforation. This perforation was commonly left partially filled with glass, and it was necessary to punch through the remnant when the glass had cooled. These beads were commonly faceted to complete their decoration.


Finally, the least common type during the 19th century, and represented in the Fort Vancouver collection, are blown beads. These beads were formed by glass blowers, utilizing a hollow iron

rod upon which a gather of molten glass was formed. Air was blown into the rod; while this inflated gather of molten glass was on the rod, the blower would use tools to elongate, stretch, and decorate an individual bead. These beads have extremely thin walls, are very fragile, and quite rare.

The HBC sold beads of all of these types by the “bunche,” the pound, and by the yard. Bunche beads are assumed to be relatively large and expensive, whereas beads sold by the pound were likely small, and sorted into discrete sizes. Beads sold by the yard were strung in yard lengths, and sold on strands. HBC records show that the beads were organized in these sales categories, then by color, such as, “Crystal,” “White,” “Amber,” “Green Blue,” “Blue Opaque,” and “Lapis Blue.” It is difficult to correlate the archaeological samples of beads with these historical definitions.

According to archaeologist Lester Ross (1976), the most common bead class cataloged at Fort Vancouver is hot tumbled drawn beads (97.6%), with the majority being plain, single or double layer in blue (60%) and white (10%). Wound beads account for just over 2% of the assemblage, while mandrel pressed beads account for 0.16%, and blown beads come in at a miniscule 0.005% of the assemblage.


The last major analysis of Fort Vancouver beads was completed by Ross in 1990, when he published *Trade Beads from Hudson’s Bay Company Fort Vancouver (1829-1860)*, Vancouver, Washington, in the journal *Beads*. In this article he laid out a systematic classification system of the Fort Vancouver bead assemblage based upon a modification of the system developed by Kenneth and Martha Kidd (1970), as modified and expanded by Karlis Karklins (1982, 1985). The strength of the Kidd & Kidd analysis system is the allowance for a hierarchical classification scheme, based on multiple attributes, that includes material and manufacturing techniques; stylistic class and type attributes (monochrome versus polychrome, decorated versus undecorated); stylistic variety



attributes (color, diaphaneity, shape); and bead sizes defined by the least diameter and length. To be fair, a weakness of this system is the inherent complexity of the Kidd & Kidd (as further modified by Ross) classification codes, which have no relative meaning without a key or a memorized understanding of the codes. To the lay person, and even to experienced archaeologists, differentiating a bead variety WIIa-ctls/1-1 from a MPIIa-sppgfts-1 is next to impossible without referring to Ross' article.

An issue that many researchers have noted is the use of multiple variety numbers assigned to some bead types. Lester Ross was instrumental in developing FOVA variety numbers for multiple artifact classes (including beads), when he worked for the NPS at Fort Vancouver in the 1970s. These variety numbers are a four digit numerical code, starting with variety number 1000. Ross organized these variety numbers as: drawn beads are in the 1000 variety series, wound beads are in the 2000 variety series, mandrel pressed beads with punched perforations are in the 3000 variety series, blown beads are in the 4000 variety series, and cut stone beads are in the 6000 series. As this system predates Ross' later modification of the Kidd & Kidd system, most of the beads that were cataloged prior to 1990 were classified solely under the 1970s FOVA variety system. Where applicable, beads that have been cataloged since 1990 will usually have the FOVA variety number, as well as the Kidd & Kidd variety numbers.

Ross' article is still the de facto resource when analyzing newly recovered beads at Fort Vancouver. However, we feel that a quick reference guide such as this, with large color images, will not only enhance our students' and volunteers' ability to analyze beads, but also offer other interested individuals an aesthetic look at these beautiful objects.
















We have chosen to organize this bead guide around the FOVA variety system. Each FOVA variety is represented in this guide, with close up photographs of a sample bead, showing the length and diameter views of each. Each page also has a data table where the following information on each bead type is recorded:

- FOVA Variety #
- Kidd & Kidd Variety # (as applicable)
- FOVA Catalog # of the photographed bead(s)
- Bead Type
- Manufacture Method
- Diameter (mm)
- Length (mm)
- Shape
- Chroma
- Color
- Munsell Color Description
- Decoration
- Diaphaneity

It is hoped that this bead guide will be useful to both archaeological researchers at Fort Vancouver and throughout the world, as well as to those interested in objects of the fur trade. As you peruse this booklet, you will note the simple beauty of these glass objects on an individual scale, and hopefully be able to imagine why peoples from varied cultures of the past were so enchanted with their decorative potential.


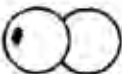

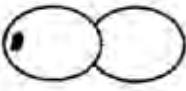








Stylistic Classes of Series 1000 Wound Beads

		Cane ¹		Hot Tumbled	
		Single-Layer	Multi-Layer	Single-Layer	Multi-Layer
Plain	Short				
	Long				
Striped	Short				
	Short				
Single Faceted	Short to Long				
	Long				
Striped & Faceted	Long				

¹ Lester A. Ross, A Historical Archaeological Investigation of the Goods Imported and Manufactured by the Hudson's Bay Company (Department of the Interior, National Park Service, 1976) p. 685. Manuscript on file at Fort Vancouver National Historic Site.

Stylistic Classes of Series 2000 Drawn Beads







Plain²

	Single-Layer		Multi-Layer
	Single Bead	Joined Beads	
Spherical			
Barrel			
Oblate			
Cylindrical			
Ellipsoidal			
Conical			
Double square Conical			

² Ross, p. 740.

Stylistic Classes of Series 2000 Drawn Beads - cont.

Decorated³

	Horizontal	Vertical	Spiral	Spiral	Faceted	Fritted
						
						
						

3 Ross, p. 740.

Color Cross-reference - Series 1000

Series 1000 Wound

Amber	1022	Green	1065	Purple-red	1059
Amber	1043	Green	1066	Red	1027
Amber	1052	Green-yellow	1019	Red	1058
Black	1005	Pink	1015	Red	1071
Black	1007	Purple	1002	Red	1072
Black	1050	Purple	1012	Red	1088
Black	1057	Purple	1013	Red, White	1037
Blue	1010	Purple	1014	Red-brown	1038
Blue	1030	Purple	1018	Red-purple	1069
Blue	1041	Purple	1020	White	1003
Blue	1042	Purple	1025	White	1009
Blue	1063	Purple	1026	White	1024
Blue	1074	Purple	1031	White	1040
Blue	1075	Purple	1032	White	1089
Blue	1082	Purple	1033	White, Brown	1080
Blue-green	1006	Purple	1034	White, Pink	1092
Blue-green	1062	Purple	1035	White, Purple	1028
Blue-purple	1055	Purple	1046	Yellow	1001
Blue-purple	1056	Purple	1047	Yellow	1004
Brown-red	1051	Purple	1049	Yellow	1023
Colorless	1011	Purple	1077	Yellow	1084
Colorless	1048	Purple	1078	Yellow	1090
Colorless	1060	Purple	1079	Yellow, Black,	
Colorless	1067	Purple	1083	Green, Red	1039
Colorless	1091	Purple, White	1029	Yellow-green	1044
Colorless, White	1036	Purple, White	1070	Yellow-green	1045
Gray-blue	1073	Purple, White	1086	Yellow-green	1061
Green	1016	Purple, White	1087	Yellow-green	1076
Green	1017	Purple-blue	1054	Yellow-white	1064
Green	1021	Purple-blue	1068		
Green	1053	Purple-blue	1081		

Color Cross-reference - Series 2000

Series 1000 Drawn

Amber	2011	Blue	2065	Purple-blue	2066
Amber	2035	Blue-green	2012	Red	2019
Amber	2057	Blue-green	2067	Red	2032
Amber	2059	Colorless	2044	Red	2036
Black	2030	Green	2040	Red	2046
Black, Red, White	2055	Green	2051	Red	2049
Blue	2001	Green	2060	Red	2058
Blue	2002	Green	2063	Red	2061
Blue	2003	Green-blue	2043	Red	2064
Blue	2004	Pink	2008	Red, White, Blue	2031
Blue	2005	Purple	2006	Red-amber	2010
Blue	2013	Purple	2007	White	2009
Blue	2014	Purple	2015	White	2016
Blue	2017	Purple	2022	White	2041
Blue	2020	Purple	2028	White	2045
Blue	2027	Purple	2029	White	2048
Blue	2037	Purple	2034	White	2053
Blue	2039	Purple	2038	White	2054
Blue	2042	Purple	2062	White, Red, Green	2024
Blue	2047	Purple-blue	2023	White, Red, Purple	2068
Blue	2050	Purple-blue	2033	Yellow	2021
Blue	2056	Purple-blue	2052	Yellow	2026

Color Cross-reference - Series 3000, 4000, 6000

Series 3000 Pressed

Black	3001	
Colorless	3009	
Green	3008	
Green-blue	3002	
Purple-blue	3003	
Purple-blue	3004	
Purple-blue	3005	
Purple-blue	3010	
Purple-blue	3011	
Purple-blue	3012	
Purple-blue	3013	
Red	3007	
White	3006	

Series 4000 Blown

Purple	4002	
Purple-red	4001	
White	4003	

Series 6000 Cut Stone

Colorless, Orange	6001
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Actual Size



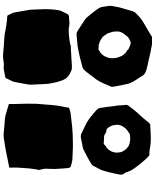
Catalog # FOVA 36605

Bead Type	Bead, Drawn
Manufacture Method	Drawn with Chopped Ends
Diameter (mm)	5.8-7.0
Length (mm)	9.8-25.9
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Yellow
Munsell	5Y6/8
Decoration	Undecorated
Diaphaneity	Translucent

FOVA Variety # 1002



Actual Size



Catalog # FOVA 36583, FOVA 36584 Kidd & Kidd No. If5

Bead Type	Bead, Drawn
Manufacture Method	Drawn with Chopped Ends
Diameter (mm)	4.8-8.6; 8.1-9.2
Length (mm)	3.5-6.2; 6.2-8.7
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Dark Purple
Munsell	7.5PB2/10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 52445	Kidd & Kidd No. IIa14
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.1-1.8; 1.5-2.4; 1.9-3.0; 2.6-3.3
Length (mm)	.7-1.4; 1.0-2.0; 1.4-2.6; 1.7-2.6
Shape	Short, Cylindrical
Chroma	Monochrome
Color	White
Munsell	N9
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size




Catalog # FOVA 52446

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-1.8; 2.6-3.5
Length (mm)	0.9-1.3; 2.3-2.7
Shape	Short , Cylindrical
Chroma	Monochrome
Color	Yellow
Munsell	7.5Y8.5/10
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 9161

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.8-3.0
Length (mm)	1.8-2.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	2 randomly ground facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 8514

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	8.1
Length (mm)	7.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue-Green
Munsell	10BG4/4
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 9162	Kidd & Kidd No. Ia2
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	2.0
Length (mm)	7.7
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 9163

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.8
Length (mm)	1.8
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Brown-Red
Munsell	5R3/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size

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Catalog # FOVA 7970	Kidd & Kidd No. IIa12
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3-1.6
Length (mm)	1.0-1.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	White
Munsell	N8
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size

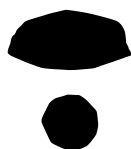


Catalog # FOVA 36545

Bead Type	Bead, drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-1.5
Length (mm)	0.7-1.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	10B8/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10854

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.8
Length (mm)	16.4
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	7 molded sides with 4 rows of ground facets
Diaphaneity	Transparent



Actual Size




Catalog # FOVA 52447

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.0-4.5
Length (mm)	1.7-3.2
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Dark Purple
Munsell	5-7.5PB2-3/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 7785

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.6
Length (mm)	1.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Purple
Munsell	2.5P7/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 52448

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.1-1.3; 3.1
Length (mm)	1.0-1.5; 2.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Pink
Munsell	7.5RP5-6/8-10
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 44082	Kidd & Kidd No. 11a27
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.0-4.3
Length (mm)	1.0-3.9
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Green
Munsell	5-10G3-4/6-8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10855

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	5.6
Length (mm)	16.9
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Green
Munsell	2.5BG4/4
Decoration	7 molded sides with 4 rows of ground facets
Diaphaneity	Transparent

FOVA Variety # 1018, 1035, 1077, 1078



Catalog # FOVA 10858, FOVA 36572, FOVA 36588

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	4.8-6.2; 6.5-8.1; 7.5-9.4
Length (mm)	4.5-6.3; 6.0-8.0; 5.8-8.5
Shape	Short to Long, Cylindrical
Chroma	Polychrome
Color	Dark Purple alternating with Light Purple
Munsell	7.5PB3/10-max alternating with 7.5PB6-7/6
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent alternating with Translucent



Actual Size

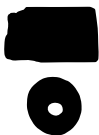


Catalog # FOVA 10859

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.4
Length (mm)	1.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Green-yellow
Munsell	5GY6/8
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



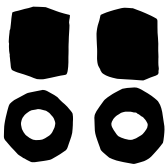
Catalog # FOVA 10860

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.0
Length (mm)	12.3
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Dark Purple
Munsell	5PB2/2
Decoration	Undecorated
Diaphaneity	Translucent

FOVA Variety # 1021, 1065



Actual Size



Catalog # FOVA 36596, FOVA 36597 Kidd & Kidd No. If4

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	6.1; 8.3-8.6; 7.8-8-8
Length (mm)	5.9; 7.1-8.6; 7.6-8.6
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Green
Munsell	2.5-5G3-4/8
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10285

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3-1.4
Length (mm)	0.8-1.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Amber
Munsell	7.5YR6/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

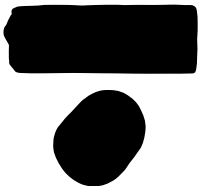


Catalog # FOVA 10286

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-1.4
Length (mm)	0.8-1.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Yellow
Munsell	5Y8.5/6
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 36606

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	6.1-7.5
Length (mm)	12.1-25.7
Shape	Long, Cylindrical
Chroma	Polychrome
Color	Thin Colorless layer over White
Munsell	N9
Decoration	Undecorated
Diaphaneity	Transparent on Opaque

FOVA Variety # 1025, 1026, 1047



Actual Size



Catalog # FOVA 36546	Kidd & Kidd No.IIa56
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.8-3.3
Length (mm)	1.3-2.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Purple
Munsell	5-7.5PB2/6-8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 52456

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.5-2.6
Length (mm)	0.9-1.9
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Red
Munsell	7.5R3/12
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Actual Size



Catalog # FOVA 7003, 52457

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.4-3.0
Length (mm)	1.4-2.6
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Purple stripes on White
Munsell	7.5PB4/6 on N8/
Decoration	4 simple, straight stripes
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 7795

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	6.9; 8.9
Length (mm)	7.0; 12.9
Shape	Long, Cylindrical
Chroma	Polychrome
Color	White stripes on Purple
Munsell	N8/ on 7.5PB2/6
Decoration	26 simple, straight stripes
Diaphaneity	Opaque stripes on Transparent

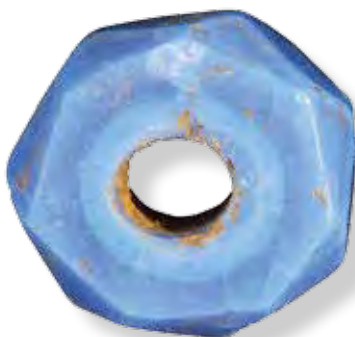


Actual Size

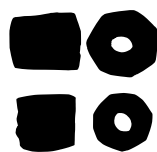


Catalog # FOVA 36599

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.4-9.6
Length (mm)	6.0-8.8
Shape	Short to Long, Cylindrical
Chroma	Polychrome
Color	Light Blue alternating with Light Blue
Munsell	7.5B7/4 alternating with 7.5B8/4
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Opaque

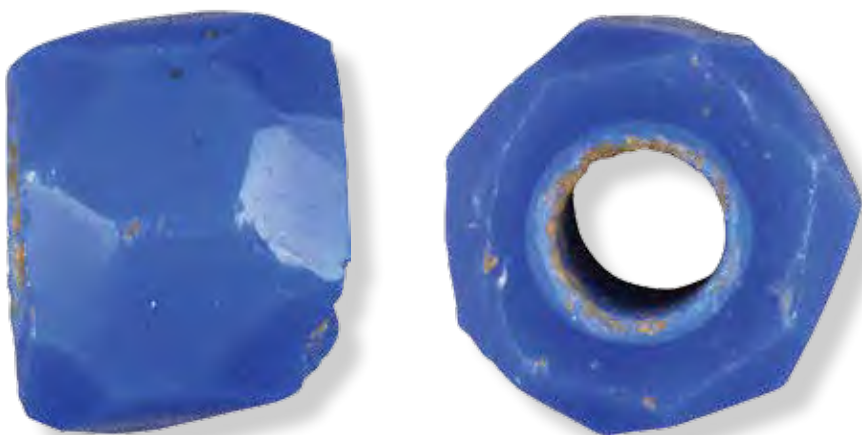


Actual Size



Catalog # FOVA 7797, FOVA 36575

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	6.4-9.4
Length (mm)	4.4-8.8
Shape	Short to Long, Cylindrical
Chroma	Polychrome
Color	Purple alternating with Light Purple
Munsell	5-7.5PB4-5/8-10 alternating with 5-7.5PB5-6/8-10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36587

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.6-8.9
Length (mm)	6.6-7.8
Shape	Short to Long, Cylindrical
Chroma	Polychrome
Color	Dark Purple alternating with Light Purple
Munsell	7.5PB3/10 alternating with 7.5PB5/10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36568, FOVA 36569		Kidd & Kidd No. IIIf1
Bead Type	Bead, Drawn	
Manufacture Method	Drawn, with Chopped Ends	
Diameter (mm)	4.7-5.6; 7.3-7.8; 8.4-9.1	
Length (mm)	4.1-7.1; 5.8-7.8; 7.6-8.3	
Shape	Short to Long, Cylindrical	
Chroma	Polychrome	
Color	Colorless alternating with White	
Munsell	N9/	
Decoration	6-7 molded sides with 2 rows of ground facets	
Diaphaneity	Transparent alternating with Translucent	

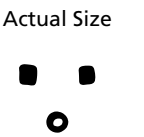


Actual Size



Catalog # FOVA 52463

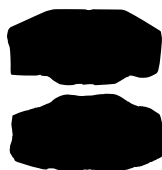
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.3-3.6
Length (mm)	1.6-2.5
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Red on White
Munsell	6.25R3/12 on N9.5/
Decoration	Undecorated
Diaphaneity	Transparent on Opaque



Catalog # FOVA 36924	Kidd & Kidd No. IVa6
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.9-2.8; 2.6-3.7
Length (mm)	1.1-2.2; 2.2-2.9
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Brown-red on Green
Munsell	7.5R3/6 on 10GY6/6
Decoration	Undecorated
Diaphaneity	Opaque on Transparent



Actual Size

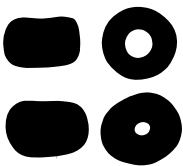


Catalog # FOVA 36607

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	12.4
Length (mm)	20.1
Shape	Long, Chevron
Chroma	Polychrome
Color:	Narrow black on wide yellow stripes alternating with 2 narrow yellow on wide red stripes on green plain layer on white molded layer on red plain layer on white molded core
Munsell:	N0.5/ on 10YR 8/8 stripes alternating with 10YR8/8 on 7.5R3/10 on 2.5BG3/8 on N9/ on 7.5R3/10 on N9/
Decoration:	12 ground facets (6 on each end) over 2 complex stripes alternating with 2 complex stripes on a plain layer, on a 12 grooved molded layer on a plain layer on a 12 grooved molded core
Diaphaneity:	2 opaque stripes alternating with 2 opaque on opaque stripes on a translucent plain layer on an opaque molded layer, on an opaque plain layer on an opaque molded core

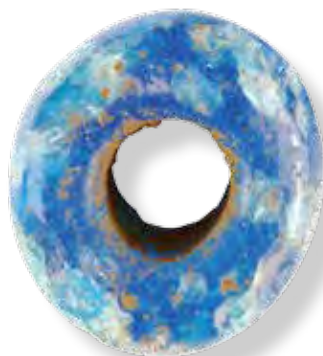


Actual Size



Catalog # FOVA 36929, FOVA 36928

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-2.2; 1.6-5.5; 8.4-10.4
Length (mm)	0.7-2.1; 1.3-5.0; 6.5-7.4
Shape	Short, Cylindrical
Chroma	Polychrome
Color	White on White
Munsell	10Y9/1 on 10Y8.5/1
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size

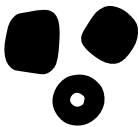


Catalog # FOVA 52466

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	7.0-8.8
Length (mm)	7.0-10.2
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Dark Blue
Munsell	2.5B3/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36602, FOVA 36603, FOVA 36604

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	6.7-7.3
Length (mm)	6.3-8.6
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	5B5/8
Decoration	Undecorated
Diaphaneity	Opaque

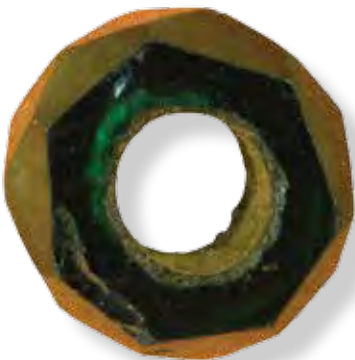


Actual Size



Catalog # FOVA 36577

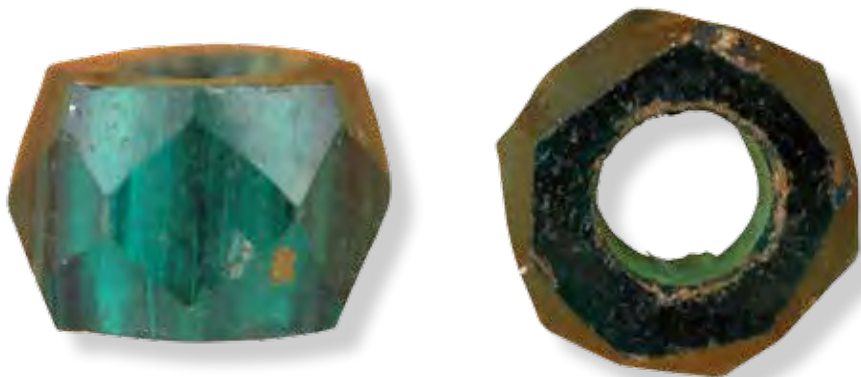
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	8.3; 7.8-9.9
Length (mm)	8.8; 6.5-8.7
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Amber
Munsell	10YR5/10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 36595	Kidd & Kidd No.If3
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	8.3-9.0
Length (mm)	6.5-7.9
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Yellow-green
Munsell	2.5-7.5G4/8-10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 36593	Kidd & Kidd No.If3
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.7
Length (mm)	6.0
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Yellow-green
Munsell	2.5-7.5G4/8-10
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 36567

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	8.0
Length (mm)	6.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Light Purple
Munsell	2.5PB6/8
Decoration	7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent

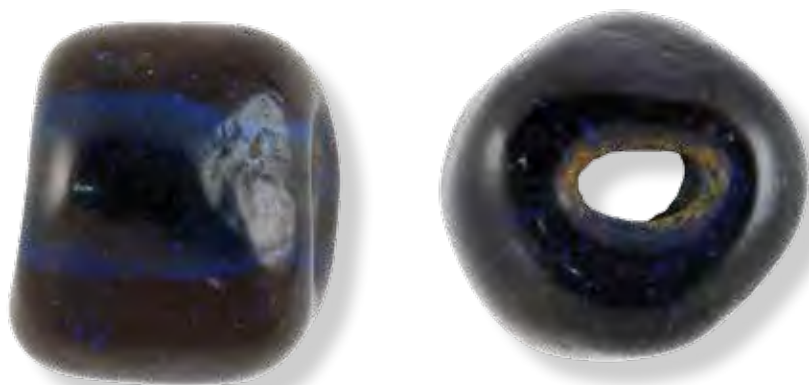


Actual Size



Catalog # FOVA 52471

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	5.5-6.6
Length (mm)	3.5-6.1
Shape	Short, Cylindrical
Chroma	Polychrome
Color	White stripes on Colorless
Munsell	N8/
Decoration	11-17 simple, straight stripes
Diaphaneity	Opaque stripes on Transparent



Actual Size



Catalog # FOVA 36535

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	6.7-8.5
Length (mm)	4.9-9.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Purple
Munsell	5PB2/4
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 36541	Kidd & Kidd No. 11a7
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.8-5.3
Length (mm)	1.0-4.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 44086	Kidd & Kidd No. IIa2
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.5-2.0; 1.9-2.8
Length (mm)	1.1-1.7; 1.3-2-2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Brown-red
Munsell	7.5R3/6
Decoration	Undecorated
Diaphaneity	Opaque



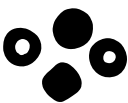
Actual Size



Catalog # FOVA 44088	Kidd & Kidd No. Ila19
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.0-1.2; 2.6-3.2
Length (mm)	1.2-1.4; 1.7-2.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Amber
Munsell	5YR6/10
Decoration	Undecorated
Diaphaneity	Opaque

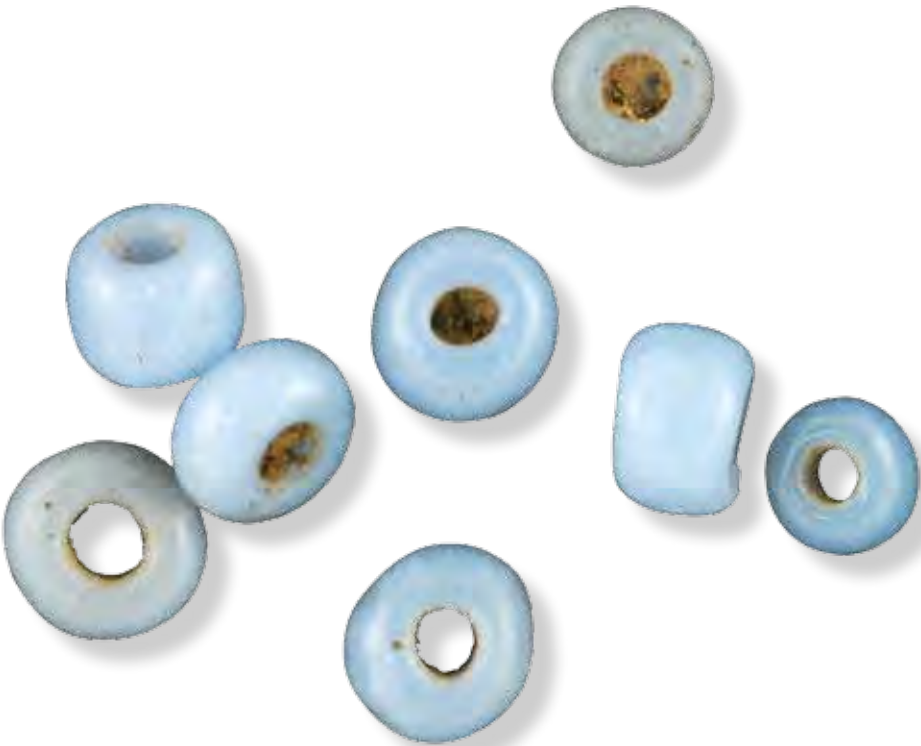


Actual Size



Catalog # FOVA 45606

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.7-3.4; 4.1-5.4
Length (mm)	2.2-2.4; 2.8-4.7
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Green with White speckles
Munsell	2.5G3-4/6-8 with N7.5 speckles
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size




Catalog # FOVA 44084

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.1-2.7
Length (mm)	1.4-2.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Light Purple-blue
Munsell	2.5PB7/2
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 44091

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.5-2.0
Length (mm)	0.8-1.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue-purple
Munsell	5PB5/8
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 44092

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3-1.6
Length (mm)	1.0-1.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Blue-purple
Munsell	7.5PB4/10
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36590	Kidd & Kidd No. If1
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	4.6-6.7; 7.0-7.3
Length (mm)	3.6-6.3; 5.7-6.1
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 52481

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.9-2.9
Length (mm)	1.3-2.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Red
Munsell	7.5R3/12
Decoration	2-6 randomly ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 36920

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.2-4.2
Length (mm)	1.6-3.7
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Purple-red
Munsell	7.5RP2/8
Decoration	2-5 randomly ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 44085

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.0-4.3
Length (mm)	2.0-4.5
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 52484

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.1-3.9
Length (mm)	1.1-2.5
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Yellow-green
Munsell	2.5G3-4/6-8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

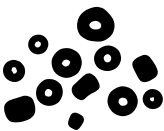


Catalog # FOVA 110204

Bead Type	Bead, Drawn
Manufacture Method	Drawn, Hot-tumbled Finish
Diameter (mm)	1.3-1.7
Length (mm)	0.9-1.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue-green
Munsell	10G7/6
Decoration	Undecorated
Diaphaneity	Opaque

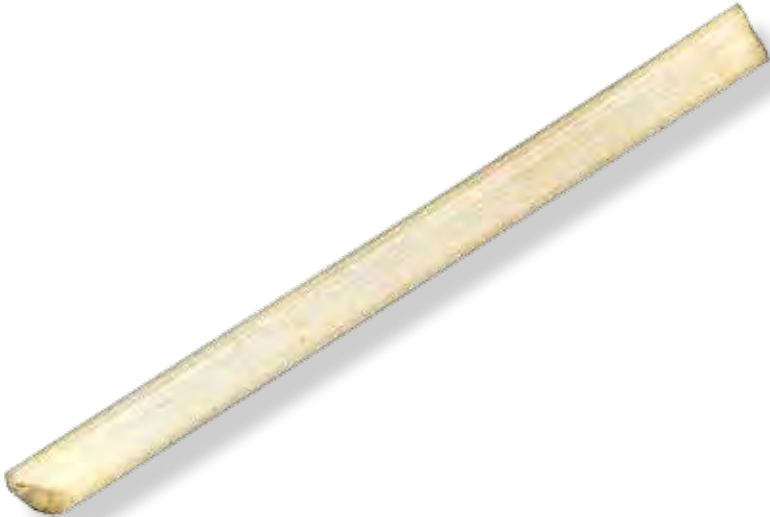


Actual Size



Catalog # FOVA 52486

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-3.0; 2.4-4.1; 3.2-5.3
Length (mm)	1.2-2.5; 1.7-3.7; 2.5-5.9
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	7.5-10BG-2.5-10B3-6/2-10
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 7805	Kidd & Kidd No. Ia4
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	1.8-2.3
Length (mm)	15.7-23.4
Shape	Long, Tubular
Chroma	Monochrome
Color	Pale Yellow-white
Munsell	7.5YR8/2
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 8845

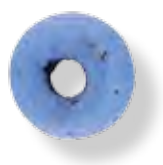
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	1.7
Length (mm)	2.0
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Green
Munsell	5G4/8
Decoration	Undecorated
Diaphaneity	Translucent




Actual Size



Catalog # FOVA 36570	Kidd & Kidd No.If2
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	4.9-5.3; 7.7; 8.6
Length (mm)	4.2-5.2; 6.4; 7.4
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 7806

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.2-1.6
Length (mm)	0.9-1.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Light Purple-Blue
Munsell	5PB8/4
Decoration	Undecorated
Diaphaneity	Opaque

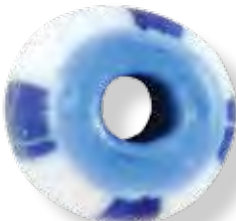


Actual Size



Catalog # FOVA 10309

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.0-1.3
Length (mm)	0.9-1.1
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Light Red-purple
Munsell	10PB8/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size

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Catalog # FOVA 36915

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.5-2.9
Length (mm)	1.7-2.5
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Purple stripes on White on Purple
Munsell	5PB2-3/4-8 stripes on N9/-5PB8/1 on 5PB6-8/2-6
Decoration	4 simple, straight stripes
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36544

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.4-1.5
Length (mm)	0.8-0.9
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Red
Munsell	5R5/12
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

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Catalog # FOVA 36917

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.8-1.9
Length (mm)	1.1-1.3
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Red on Yellow
Munsell	10R4/8 on 5Y8.5/8
Decoration	Undecorated
Diaphaneity	Transparent on Opaque



Actual Size



Catalog # FOVA 44090

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	3.6
Length (mm)	3.9
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Gray-blue
Munsell	10B6/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 52487

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3; 2.2-3.0
Length (mm)	0.9-1.0; 1.4-2.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	2.5B3/6
Decoration	Undecorated
Diaphaneity	Transparent

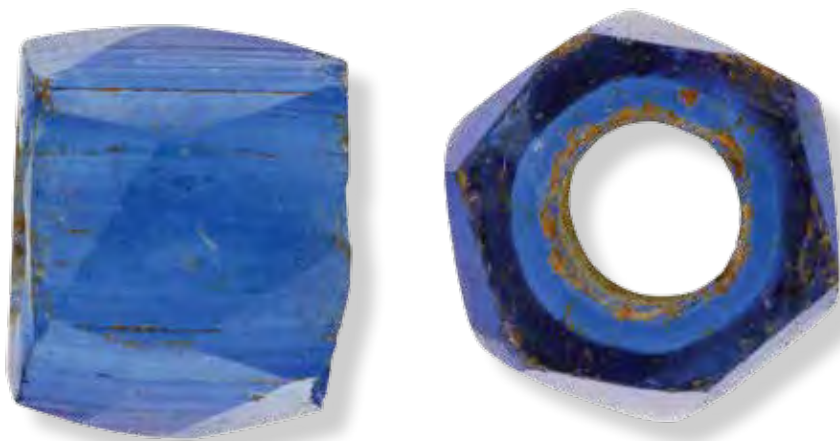


Actual Size



Catalog # FOVA 8650

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3-1.8
Length (mm)	1.0-1.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Yellow-green
Munsell	10GY5/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 8007

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	7.4-7.5; 8.2
Length (mm)	6.2-7.2; 6.7
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Light Purple alternating with Light Purple
Munsell	5PB3/6 alternating with 5PB6/6
Decoration	6-7 molded sides with 2 rows of ground facets
Diaphaneity	Transparent alternating with Translucent



Actual Size



Catalog # FOVA 40625

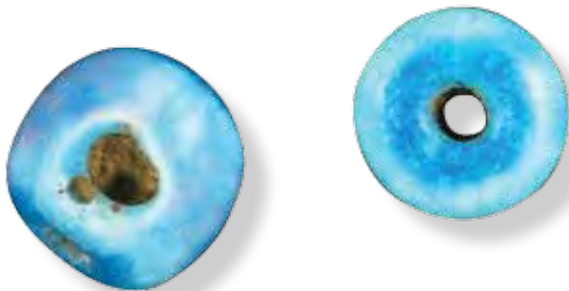
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.9-4.3
Length (mm)	1.8-3.2
Shape	Short, Cylindrical
Chroma	Polychrome
Color	White on Dark Brown
Munsell	10Y8.5/1 on 10YR3/2
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 8850 Kidd & Kidd No. IIa47	
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	3.3
Length (mm)	2.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Dark Purple-Blue
Munsell	2.5PB4/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size




Catalog # FOVA 8851

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.9-2.1
Length (mm)	1.0-1.8
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Blue on Blue
Munsell	7.5B7/4 on 7.5B5/6
Decoration	Undecorated
Diaphaneity	Opaque on Translucent



Actual Size



Catalog # FOVA 8853 Kidd & Kidd No. IIa19	
Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.2-2.3
Length (mm)	1.1-1.3
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Yellow-amber
Munsell	10YR6/10
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 8855

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	4.6
Length (mm)	3.6
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Purple stripes on White on Light Purple
Munsell	5PB4/6 stripes on 5PB8/1 on 5PB7/2
Decoration	6 simple, straight stripes
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 52490

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	4.4-5.1
Length (mm)	3.0-5.0
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Red on Light Pink
Munsell	5R3/10 on 10RP8/2
Decoration	Undecorated
Diaphaneity	Translucent on Opaque



Actual Size



Catalog # FOVA 8857

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.2-2.6
Length (mm)	1.6-1.7
Shape	Short, Cylindrical
Chroma	Polychrome
Color	White on Gray
Munsell	10Y8.5/1 on N5.5/
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10312

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.3
Length (mm)	0.8
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Yellow
Munsell	2.5Y8/8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8569

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	N/A
Length (mm)	N/A
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8570

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	2.5
Length (mm)	2.7
Shape	Short, Cylindrical
Chroma	Polychrome
Color	Pink Stripes on White on Light Pink
Munsell	10RP6/6 on 10RP9/2 on 10RP7/2
Decoration	4 simple, straight stripes
Diaphaneity	Opaque



Actual Size




Catalog # FOVA 219196*

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Chopped Ends
Diameter (mm)	2.0-2.1
Length (mm)	2.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Black
Munsell	N.5
Decoration	None
Diaphaneity	Opaque

* This bead type was identified in 2012, and is not included in Ross’ discussions or statistical analyses.



Actual Size



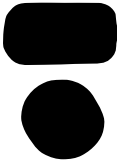
Catalog # FOVA 219197*

Bead Type	Bead, Drawn
Manufacture Method	Drawn, with Hot-tumbled Finish
Diameter (mm)	1.8
Length (mm)	1.0
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	None
Diaphaneity	Transparent

* This bead type was identified in 2012, and is not included in Ross’ discussions or statistical analyses.



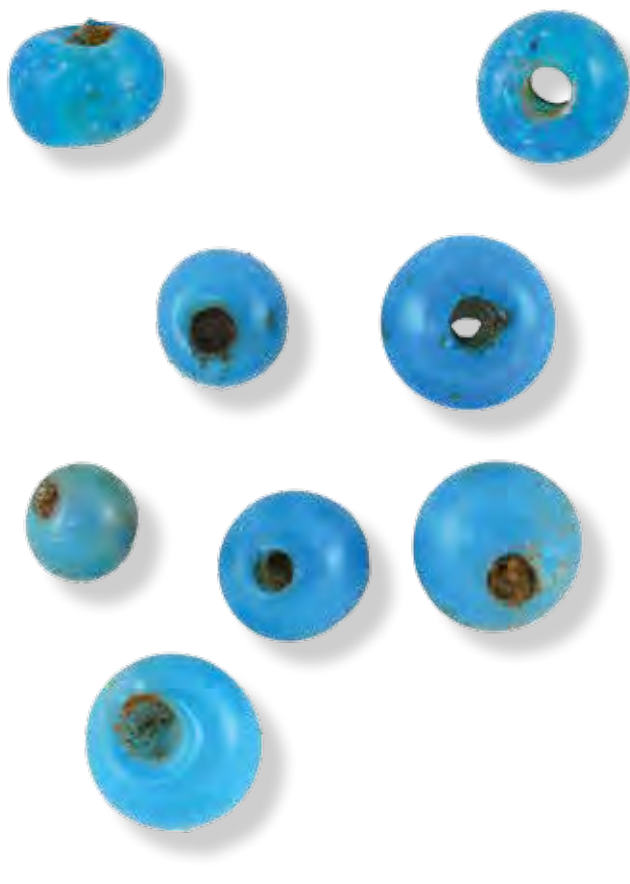
Actual Size



Catalog # FOVA 8517

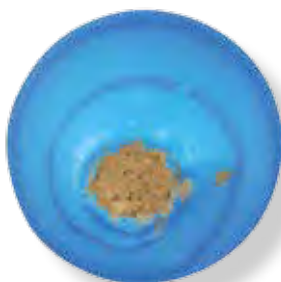
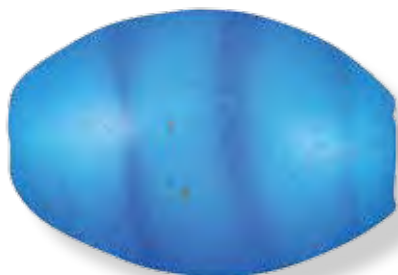
Bead Type	Bead, Wound
Manufacture Method	Wound in Mold
Diameter (mm)	7.1
Length (mm)	14.8
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	10B4/8
Decoration	Shaped by turning against a Mold
Diaphaneity	Opaque

FOVA Variety # 2002, 2018, 2037, 2042, 2056



Catalog # FOVA 52497 Kidd & Kidd No. Wlb10, Wlb11, Wlb12

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	3.1-6.3; 8.5-10.4
Length (mm)	2.8-6.4; 7.3-9.5
Shape	Short to Long, Spherical
Chroma	Monochrome
Color	Blue
Munsell	2.5-10B4-6/4-8
Decoration	Undecorated
Diaphaneity	Transparent, Translucent, & Opaque



Actual Size

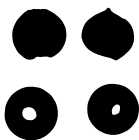


Catalog # FOVA 36510

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	7.1-7.6
Length (mm)	10.4-11.4
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Blue
Munsell	10B4/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size

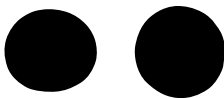


Catalog # FOVA 36528, FOVA 36532

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.9-8.4
Length (mm)	3.7-8.4
Shape	Short to Long, Spherical
Chroma	Monochrome
Color	Blue
Munsell	10BG-2.5-5B3-4/4-6
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



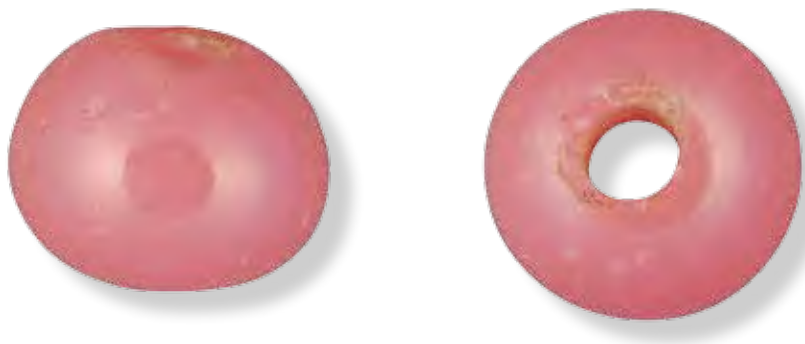
Catalog # FOVA 36512	Kidd & Kidd No. W1b14
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	12.3-13.4
Length (mm)	11.1-12.4
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple
Munsell	5-7.5PB2-3/8-10
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36524, FOVA 36526		Kidd & Kidd No. Wld4
Bead Type	Bead, Wound	
Manufacture Method	Wound	
Diameter (mm)	4.6-7.5	
Length (mm)	3.2-7.0	
Shape	Short, Doughnut-shaped	
Chroma	Monochrome	
Color	Purple	
Munsell	5-7.5PB2/8-max	
Decoration	Undecorated	
Diaphaneity	Transparent	



Actual Size



Catalog # FOVA 7815

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.4-9.7
Length (mm)	6.5-8.5
Shape	Short, Spherical
Chroma	Monochrome
Color	Pink
Munsell	10RP4/6
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 52495	Kidd & Kidd No. W1c1
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.6-5.4
Length (mm)	7.8-9.2
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	White
Munsell	N9.5/
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size

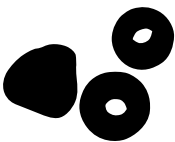


Catalog # FOVA 7002

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	7.4-9.8
Length (mm)	8.2-9.8
Shape	Short to Long, Barrel-shaped
Chroma	Monochrome
Color	Red-amber
Munsell	10R2/6
Decoration	Undecorated
Diaphaneity	Transparent

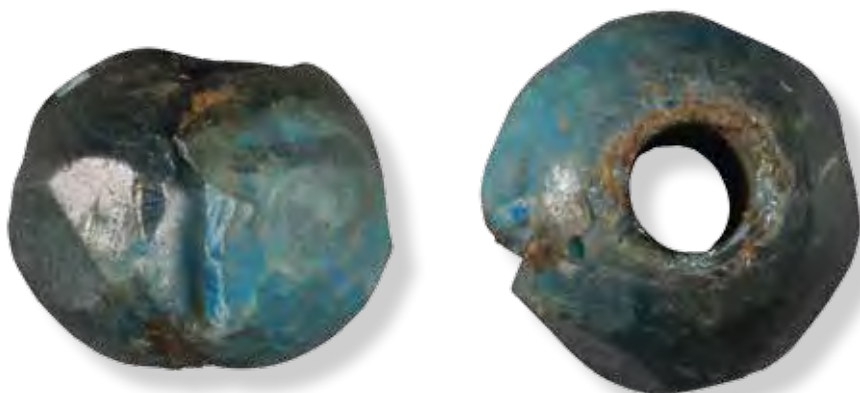


Actual Size



Catalog # FOVA 10894

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.5-9.7
Length (mm)	6.0-11.4
Shape	Short to Long, Barrel-shaped
Chroma	Monochrome
Color	Light Amber
Munsell	7.5YR5/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

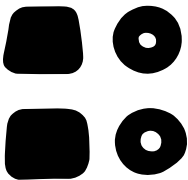


Catalog # FOVA 7273

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.3
Length (mm)	6.6
Shape	Short, Spherical
Chroma	Monochrome
Color	Dark Blue-green
Munsell	5BG2/2
Decoration	12 randomly ground facets
Diaphaneity	Opaque

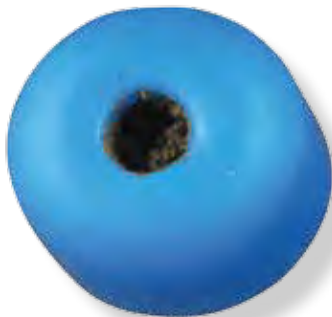


Actual Size



Catalog # FOVA 36505, FOVA 36506

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.2-8.5; 8.2-9.5
Length (mm)	6.1-7.1; 9.5-10.9
Shape	Short to Long, Cylindrical
Chroma	Monochrome
Color	Blue
Munsell	2.5B4/6
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 11927

Bead Type Bead, Wound

Manufacture Method Wound

Diameter (mm) 6.6-6.9

Length (mm) 10.9-11.6

Shape Long, Cylindrical

Chroma Monochrome

Color Dark Blue

Munsell 7.5B4/4

Decoration Undecorated

Diaphaneity Opaque



Actual Size

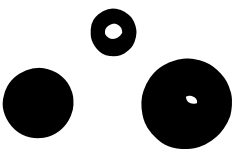


Catalog # FOVA 36513

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	11.6
Length (mm)	10.6
Shape	Short, Spherical
Chroma	Monochrome
Color	Dark Purple
Munsell	7.5PB3/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36517, FOVA 36515, FOVA 36514

Bead Type Bead, Wound

Manufacture Method Wound

Diameter (mm) 6.3-12.0

Length (mm) 4.0-10.6

Shape Short, Spherical

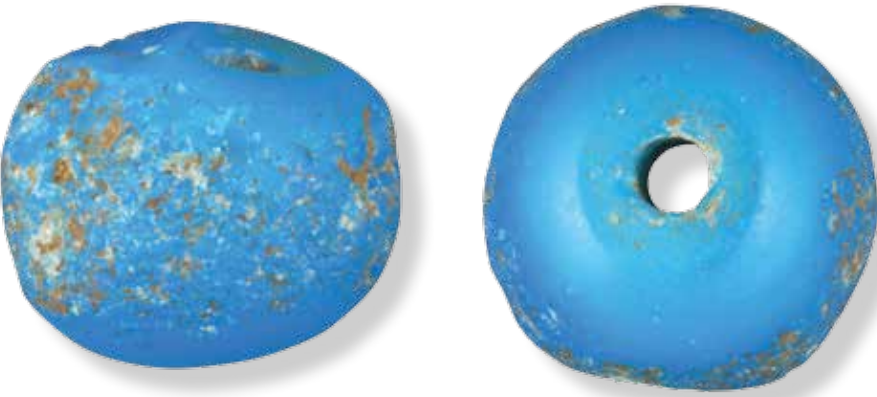
Chroma Monochrome

Color White

Munsell N8.5/

Decoration Undecorated

Diaphaneity Translucent



Actual Size

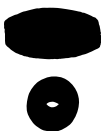


Catalog # FOVA 36518

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.8
Length (mm)	7.1
Shape	Short, Spherical
Chroma	Monochrome
Color	Blue
Munsell	5B5/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 36503

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.8
Length (mm)	12.7
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Red
Munsell	5R4/10
Decoration	Undecorated
Diaphaneity	Transparent

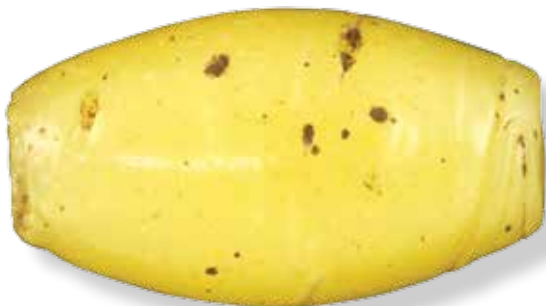


Actual Size



Catalog # FOVA 10314

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.3
Length (mm)	6.8
Shape	Short, Spherical
Chroma	Monochrome
Color	Blue
Munsell	10B4/8
Decoration	12 randomly ground facets
Diaphaneity	Translucent



Actual Size

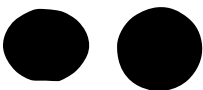


Catalog # FOVA 8864

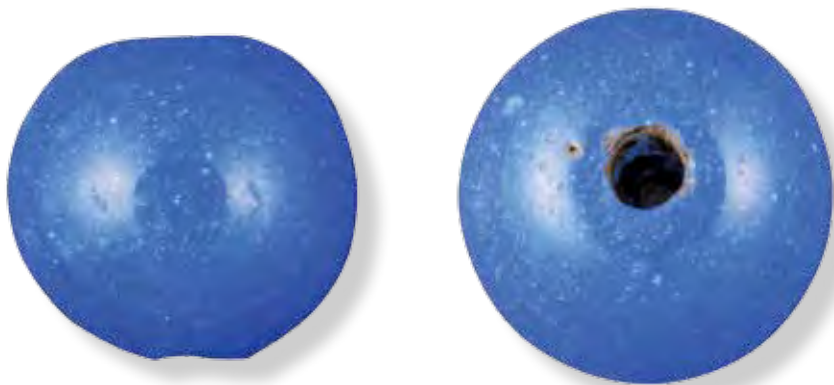
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	5.3
Length (mm)	9.5
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Yellow
Munsell	7.5Y7/6
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 36522	Kidd & Kidd No. W1b16
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	11.3
Length (mm)	9.4
Shape	Short, Spherical
Chroma	Monochrome
Color	Dark Purple
Munsell	10PB2/8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

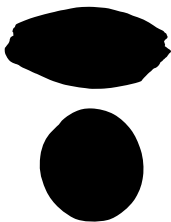


Catalog # FOVA 10315

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	7.5-9.0
Length (mm)	7.4-8.5
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple-blue
Munsell	2.5PB4/8
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 36508

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	9.7-10.3
Length (mm)	22.0
Shape	Long, Ellipsoidal
Chroma	Polychrome
Color	Red on White stripe, with Green string on White
Munsell	5R4/10 on N9/ stripe with 5G3/8 string on N8.5
Decoration	Spiral stripe with 1 spiral string of combed loops
Diaphaneity	Translucent on Opaque stripe with Translucent string on Opaque



Catalog # FOVA 3891

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	14.1
Length (mm)	13.6
Shape	Short, Spherical
Chroma	Monochrome
Color	Yellow
Munsell	2.5Y7/6
Decoration	Undecorated
Diaphaneity	Opaque

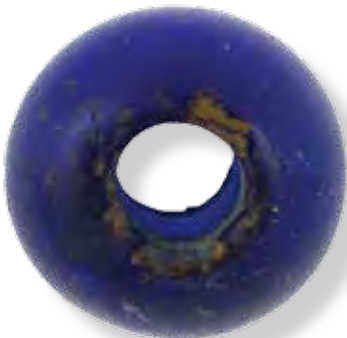


Actual Size



Catalog # FOVA 9201

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	5.1
Length (mm)	2.7
Shape	Short, Doughnut-shaped
Chroma	Monochrome
Color	Blue
Munsell	2.5B5/4
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 5441

Bead Type Bead, Wound

Manufacture Method Wound

Diameter (mm) 9.6

Length (mm) 10.8

Shape Long, Barrel-shaped

Chroma Monochrome

Color Dark Purple

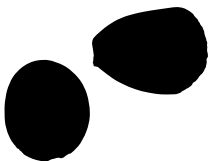
Munsell 7.5PB2/8

Decoration Undecorated

Diaphaneity Transparent



Actual Size



Catalog # FOVA 5101

Bead Type Bead, Wound

Manufacture Method Wound

Diameter (mm) 11.3

Length (mm) N/A

Shape Long, Ellipsoidal

Chroma Monochrome

Color Dark Purple

Munsell 7.5PB2/10

Decoration Undecorated

Diaphaneity Transparent



Actual Size



Catalog # FOVA 8516

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	7.5
Length (mm)	6.2
Shape	Short, Barrel-shaped
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	Undecorated
Diaphaneity	Opaque



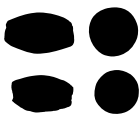
Actual Size



Catalog # FOVA 8013	Kidd & Kidd No. WIIId1
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.2
Length (mm)	15.5
Shape	Long, Ellipsoidal
Chroma	Polychrome
Color	Red, White & Blue stripe on Red
Munsell	5R4/6, N9/, & 5PB4/4 on 7.5R2/6
Decoration	Twisted spiral stripe
Diaphaneity	Opaque stripe on Transparent



Actual Size



Catalog # FOVA 36501

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.7-5.5
Length (mm)	7.9-9.2
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Dark Red
Munsell	5R2/8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 7013

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.2-7.1
Length (mm)	5.1-6.3
Shape	Short, Spherical
Chroma	Monochrome
Color	Dark Purple-blue
Munsell	2.5PB3/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10899

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.2
Length (mm)	7.1
Shape	Short, Barrel-shaped
Chroma	Polychrome
Color	White string on Dark Purple
Munsell	N9 string on 7.5PB2/4
Decoration	1 circumferential string of combed loops
Diaphaneity	Opaque string on Transparent



Actual Size



Catalog # FOVA 36523	Kidd & Kidd No. Wld1
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	7.0-11.0
Length (mm)	4.2-9.0
Shape	Short, Doughnut-shaped
Chroma	Monochrome
Color	Amber
Munsell	2.5YR4/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

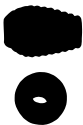


Catalog # FOVA 36520

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	12.0
Length (mm)	9.0
Shape	Short, Spherical
Chroma	Monochrome
Color	Red
Munsell	3-7.5R4/4
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8572

Bead Type	Bead, Molded
Manufacture Method	Molded
Diameter (mm)	6.3
Length (mm)	9.5
Shape	Long, Bi-conical
Chroma	Monochrome
Color	Purple
Munsell	7.5PB3/8
Decoration	12 rings circumscribing bead
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10901

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.3-5.1
Length (mm)	6.9-9.1
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Blue
Munsell	2.5-5B5/6
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 7981

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	10.3
Length (mm)	10.5
Shape	Long, Barrel-shaped
Chroma	Polychrome
Color	White string on Green
Munsell	N9 string on 5G2/6
Decoration	1 circumferential string of combed loops
Diaphaneity	Opaque string on Transparent

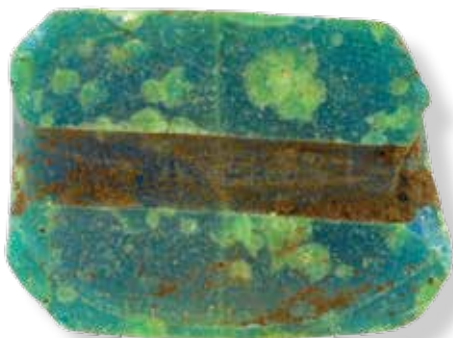
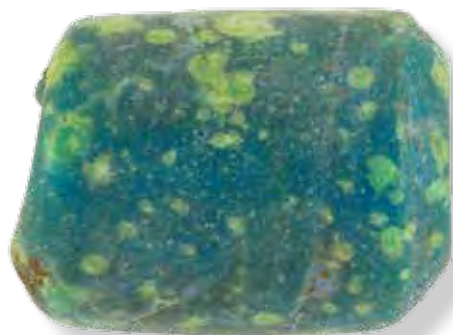


Actual Size



Catalog # FOVA 8016

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.5
Length (mm)	6.5
Shape	Short, Barrel-shaped
Chroma	Monochrome
Color	White
Munsell	N8
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10903

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.5-8.9
Length (mm)	11.5-11.8
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Green-blue
Munsell	10BG4/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 44094

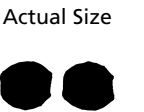
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.2-9.8
Length (mm)	5.6-7.7
Shape	Short, Barrel-shaped
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

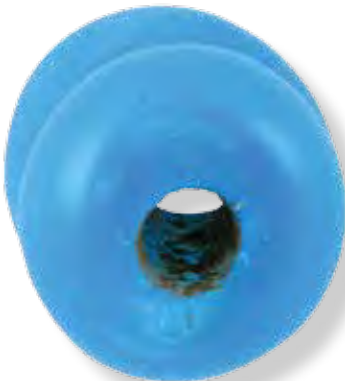


Catalog # FOVA 8020	Kidd & Kidd No. W1a3
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	10.4
Length (mm)	N/A (Broken)
Shape	Cylindrical
Chroma	Monochrome
Color	White
Munsell	N8.5
Decoration	Undecorated
Diaphaneity	Opaque



Catalog # FOVA 8021

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.4-8.8
Length (mm)	4.8-8.4
Shape	Short to Long, Spherical
Chroma	Monochrome
Color	Dark Red
Munsell	5R2/8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8578

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	5.0
Length (mm)	6.6-7.5
Shape	Long, Doughnut-shaped (conjoined)
Chroma	Monochrome
Color	Blue
Munsell	2.5B5/4
Decoration	Undecorated
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 8866

Bead Type	Bead, Wound
Manufacture Method	Wound, in a Mold
Diameter (mm)	5.3
Length (mm)	6.7
Shape	Long, Conical
Chroma	Monochrome
Color	White
Munsell	N9.5
Decoration	Shaped by turning against a Mold
Diaphaneity	Opaque

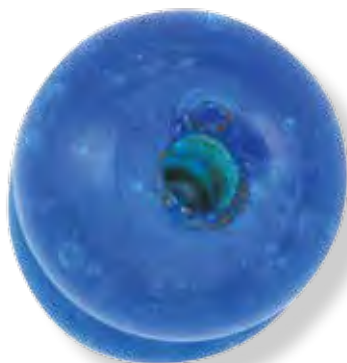


Actual Size

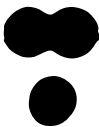


Catalog # FOVA 10317

Bead Type	Bead, Wound
Manufacture Method	Wound, Compound
Diameter (mm)	10.1
Length (mm)	10.6
Shape	Long, Barrel-shaped
Chroma	Polychrome
Color	Red on White
Munsell	5R3/10 on 5R8/1
Decoration	Undecorated
Diaphaneity	Transparent on Opaque



Actual Size



Catalog # FOVA 8867

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.7
Length (mm)	12.3
Shape	Long, Spherical (conjoined)
Chroma	Monochrome
Color	Blue
Munsell	10BG-2.5B3-4/4-6
Decoration	Undecorated
Diaphaneity	Transparent

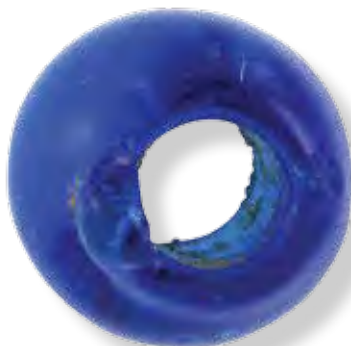
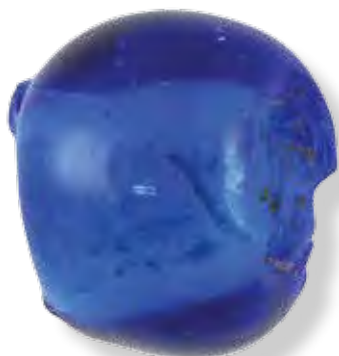


Actual Size



Catalog # FOVA 8692

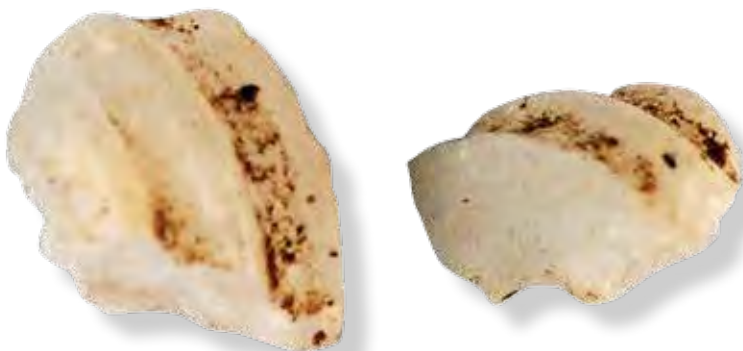
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	5.9-6.4
Length (mm)	5.0-5.7
Shape	Short, Barrel-shaped
Chroma	Monochrome
Color	Green
Munsell	2.5G4/6
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8693	Kidd & Kidd No. W1c11
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	6.0
Length (mm)	6.0
Shape	Short, Barrel-shaped
Chroma	Monochrome
Color	Purple-blue
Munsell	5PB3/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 8030

Bead Type	Bead, Molded
Manufacture Method	Molded
Diameter (mm)	N/A
Length (mm)	N/A
Shape	Bi-conical
Chroma	Monochrome
Color	White
Munsell	N8.5
Decoration	12 rings circumscribing Bead
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 7272

Bead Type	Bead, Wound
Manufacture Method	Wound, Fritted
Diameter (mm)	N/A
Length (mm)	N/A
Shape	Spherical
Chroma	Polychrome
Color	Purple and Pink chips on White
Munsell	10PB2/8 and 2.5RP6/8 chips on N9.5/
Decoration	Multi-colored glass chips marvered into the entire surface and polished or tumbled smooth
Diaphaneity	Opaque



Actual Size

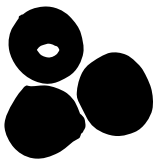


Catalog # 8633

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	11.8
Length (mm)	10.0-10.1
Shape	Short, Spherical
Chroma	Polychrome
Color	White and Dark Red alternating stripes on Black
Munsell	N9.5/ and 10R2/4 alternating stripes on N.5/
Decoration	2 alternating longitudinal stripes circumscribing Bead
Diaphaneity	Opaque stripes on Opaque



Actual Size



Catalog # FOVA 10906

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	9.5-10.4
Length (mm)	8.3-10.7
Shape	Short to Long, Barrel-shaped
Chroma	Monochrome
Color	Amber
Munsell	2.5YR4/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size

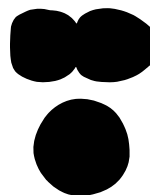


Catalog # FOVA 10907

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.8
Length (mm)	11.1
Shape	Long, Barrel-shaped
Chroma	Polychrome
Color	Red stripe on Red
Munsell	7.5R4/12 stripe on 7.5R4/12
Decoration	Simple spiral stripe
Diaphaneity	Opaque stripe on Translucent

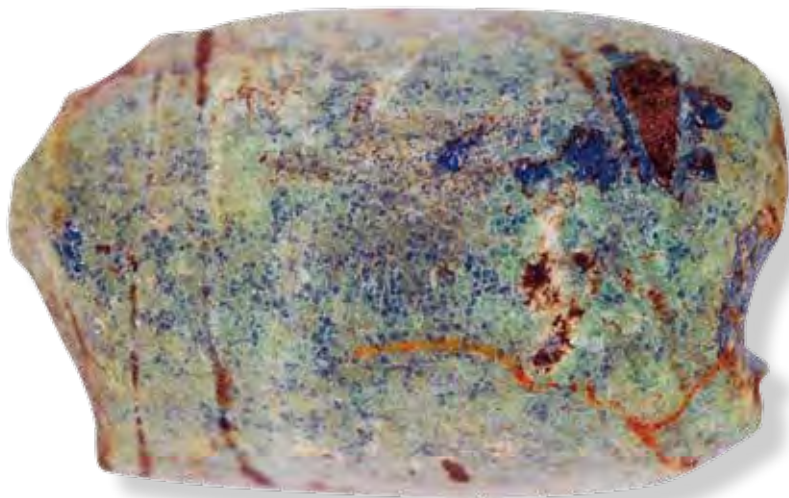


Actual Size



Catalog # FOVA 10908

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.5-9.6
Length (mm)	19.1-19.4
Shape	Long, Barrel-shaped (conjoined)
Chroma	Monochrome
Color	Light Amber
Munsell	7.5YR5/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10909

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.1
Length (mm)	7.2
Shape	Short, Cylindrical
Chroma	Monochrome
Color	Green
Munsell	10G5/4
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10318

Bead Type	Bead, Wound
Manufacture Method	Wound, Decoration made by Pressing
Diameter (mm)	5.0
Length (mm)	8.7
Shape	Long, Quadrilateral, Bi-Pyramidal
Chroma	Monochrome
Color	Red
Munsell	(None Listed)
Decoration	8 facets on 4 sides made by Pressing
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 11737	Kidd & Kidd No. Wlb15
Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	5.5
Length (mm)	4.2
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple
Munsell	7.5PB3/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10910

Bead Type Bead, Wound

Manufacture Method Wound

Diameter (mm) 6.4

Length (mm) 5.1

Shape Short, Spherical

Chroma Monochrome

Color Dark Green

Munsell 10G2/1

Decoration Undecorated

Diaphaneity Opaque



Catalog # FOVA 10911

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.5
Length (mm)	15.9
Shape	Long, Ellipsoidal (conjoined)
Chroma	Monochrome
Color	Dark Red
Munsell	5R2/8
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 10912

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.4-4.9
Length (mm)	6.4-7.2
Shape	Long, Cylindrical
Chroma	Monochrome
Color	Light Blue
Munsell	7.5B5/6
Decoration	Undecorated
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 10913

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	17.5
Length (mm)	14.5
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple-blue
Munsell	2.5PB4/10
Decoration	Undecorated
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 11351

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	4.5-5.0
Length (mm)	7.4-9.1
Shape	Long, Ellipsoidal
Chroma	Monochrome
Color	Blue-green
Munsell	2.5BG5/4
Decoration	Undecorated
Diaphaneity	Opaque

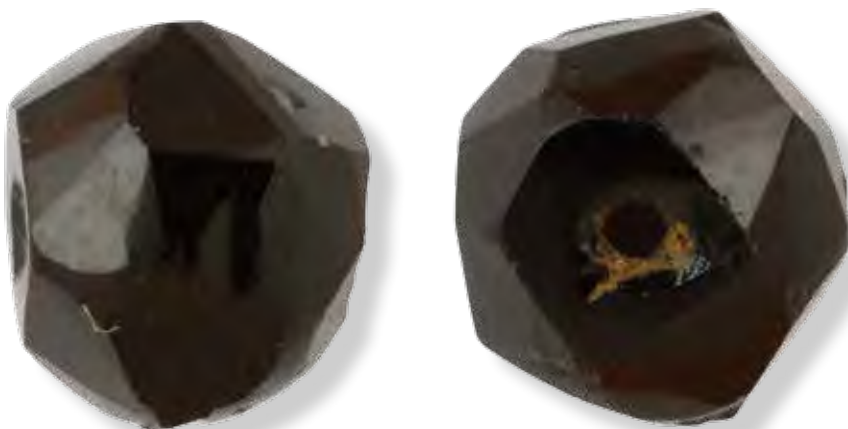


Actual Size



Catalog # FOVA 11352

Bead Type	Bead, Wound
Manufacture Method	Wound
Diameter (mm)	8.8
Length (mm)	10.0
Shape	Long, Barrel-shaped
Chroma	Polychrome
Color	2 Red strings & 2 Purple strings on White
Munsell	5R3/8 strings & 5PB2/6 strings on N9/
Decoration	4 longitudinal strings of combed loops including 2 alternating single-color strings
Diaphaneity	Translucent strings on Opaque

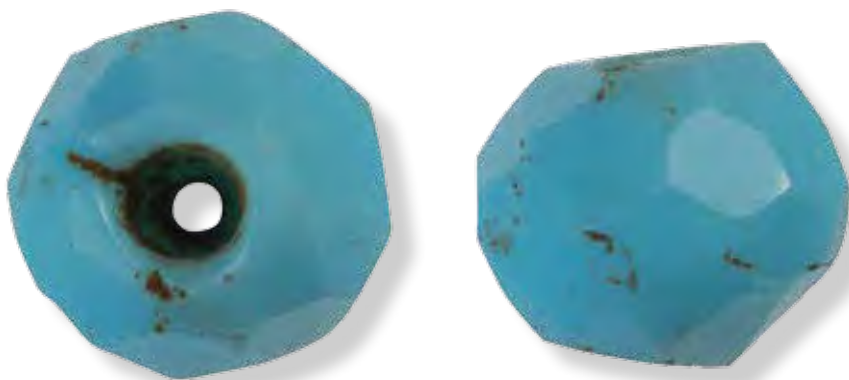


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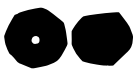


Catalog # FOVA 7818

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	5.3-5.8; 6.9-7.0; 8.2-8.9; 9.1; 10.5
Length (mm)	5.3-5.4; 6.3-6.4; 7.1-7.4; 8.8; 9.3
Shape	Short, Spherical
Chroma	Monochrome
Color	Black
Munsell	N0.5
Decoration	35-54 randomly ground Facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 52500

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	7.7-8.9
Length (mm)	6.5-8.1
Shape	Short, Spherical
Chroma	Monochrome
Color	Light Green-blue
Munsell	2.5B8/4
Decoration	35-54 randomly ground Facets
Diaphaneity	Opaque



Actual Size

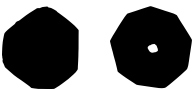


Catalog # FOVA 29978

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	8.0-10.0
Length (mm)	7.0-9.3
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple-blue
Munsell	5PB4-6/6-8
Decoration	35-54 randomly ground Facets
Diaphaneity	Opaque



Actual Size



Catalog # FOVA 7823

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	5.6; 9.0; 10.7
Length (mm)	5.9; 8.8; 10.1
Shape	Short to Long, Spherical
Chroma	Monochrome
Color	White
Munsell	N7
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 44101

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	6.5-7.1; 7.9
Length (mm)	6.4; 7.4
Shape	Short, Spherical
Chroma	Monochrome
Color	Red
Munsell	5R2/8
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent

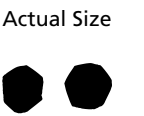
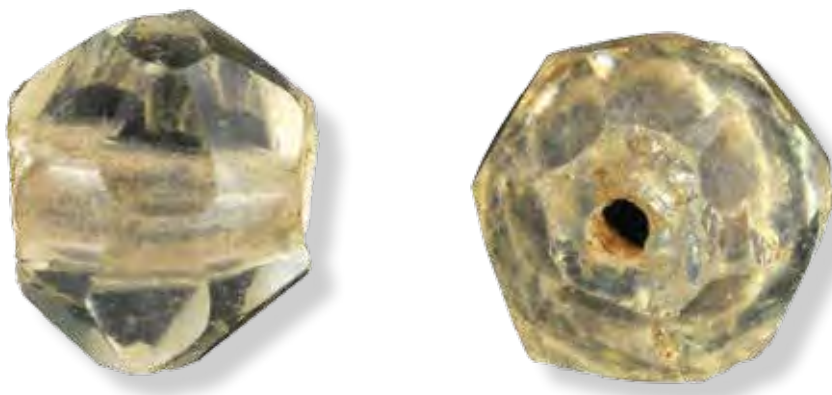


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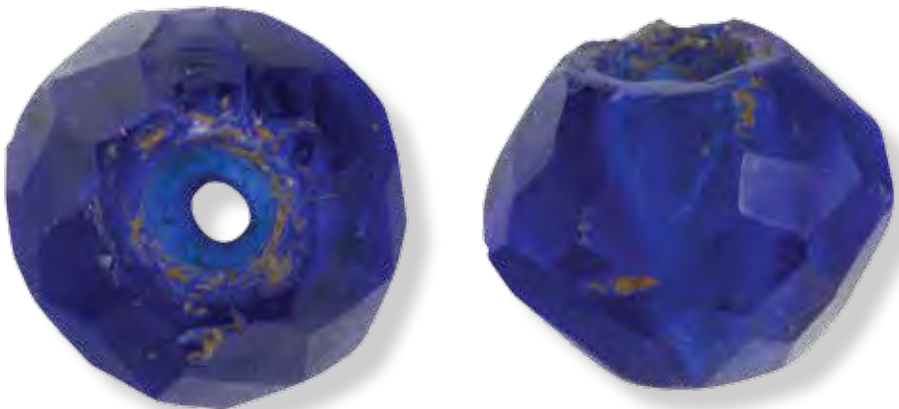
Catalog # FOVA 8026

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	N/A
Length (mm)	N/A
Shape	Spherical
Chroma	Monochrome
Color	Green
Munsell	7.5G4/8
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent

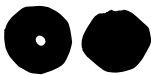


Catalog # FOVA 44103

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	6.0; 7.6; 8.9-9.8
Length (mm)	5.4; 7.3; 7.5-8.9
Shape	Short, Spherical
Chroma	Monochrome
Color	Colorless
Munsell	N/A
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent



Actual Size

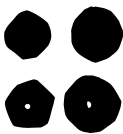


Catalog # FOVA 15184

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	7.6
Length (mm)	7.2
Shape	Short, Spherical
Chroma	Monochrome
Color	Dark Purple-blue
Munsell	7.5PB3/12
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 44102

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	5.0; 7.2-7.5; 9.5; 16.4; 7.6
Length (mm)	5.3; 6.3-6.6; 8.1; 15.3; 7.2
Shape	Short, Spherical
Chroma	Monochrome
Color	Purple-blue
Munsell	7.5PB3/10
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent

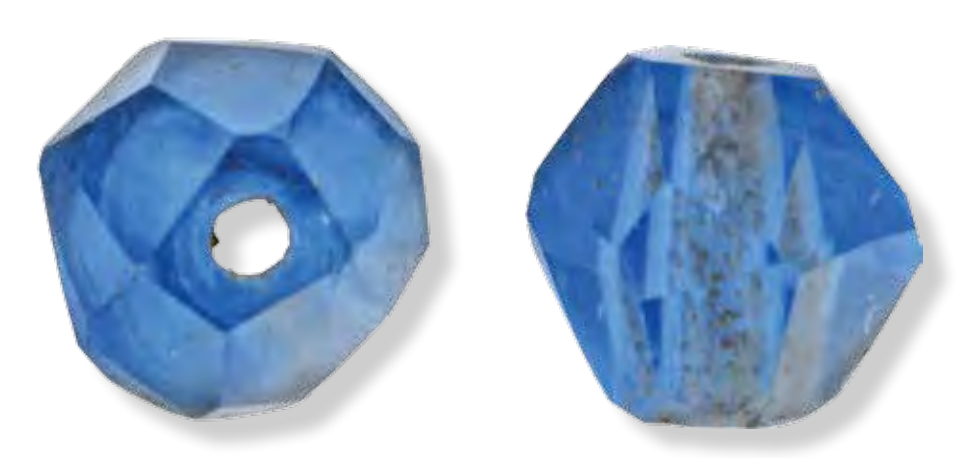


Actual Size



Catalog # FOVA 8583

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	N/A
Length (mm)	N/A
Shape	N/A
Chroma	Monochrome
Color	Purple-blue
Munsell	7.5PB3/12
Decoration	Randomly ground Facets
Diaphaneity	Transparent



Actual Size



Catalog # FOVA 44100

Bead Type	Bead, Wound, Mold-pressed
Manufacture Method	Wound, Bi-conical Punched Perforation, Mold-pressed
Diameter (mm)	5.7-6.4
Length (mm)	5.3-5.9
Shape	Short, Spherical
Chroma	Monochrome
Color	Light Purple-blue
Munsell	7.5PB5/6
Decoration	35-54 randomly ground Facets
Diaphaneity	Transparent

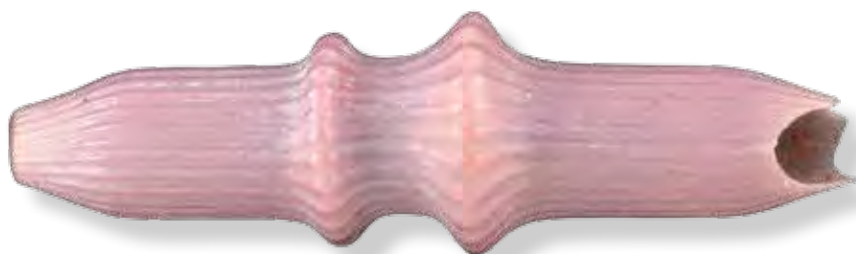


Actual Size



Catalog # FOVA 10915

Bead Type	Bead, Blown
Manufacture Method	Blown
Diameter (mm)	N/A
Length (mm)	N/A
Shape	Spherical
Chroma	Monochrome
Color	Purple-Red
Munsell	10RP5/12
Decoration	Unknown number of randomly ground Facets
Diaphaneity	Translucent

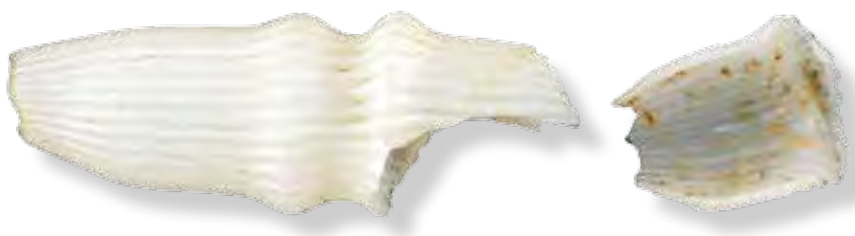


Actual Size



Catalog # FOVA 10495

Bead Type	Bead, Blown-molded
Manufacture Method	Blown into Mold
Diameter (mm)	6.2-8.6
Length (mm)	15.7-27.5
Shape	Long
Chroma	Monochrome
Color	Purple
Munsell	5P4/4
Decoration	25 molded, longitudinal Grooves with 2 upsets
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 10323

Bead Type	Bead, Blown-molded
Manufacture Method	Blown into Mold
Diameter (mm)	6.5
Length (mm)	20.5
Shape	Long
Chroma	Monochrome
Color	White
Munsell	N8
Decoration	25 molded, longitudinal Grooves with 2 upsets
Diaphaneity	Translucent



Actual Size



Catalog # FOVA 7012

Bead Type	Bead, Cut-Stone
Manufacture Method	Cut-Stone
Diameter (mm)	6.6-8.0
Length (mm)	6.5-7.6
Shape	Short, Spherical
Chroma	Polychrome
Color	Colorless with Orange tip
Munsell	2.5YR5/14
Decoration	Agate bead with 28-48 randomly ground Facets
Diaphaneity	Translucent

Bi-Conical – Refers to a bead shape, consisting of two cones placed together apex to apex

Bi-Pyramidal – Refers to a bead shape, consisting of two pyramids placed base to base

Blown – A manufacture process whereby a small glass sphere is blown and perforated at both ends before cooling

Chevron – A bead type that is also referred to as a hybrid-cane Rosetta bead. Manufacture process entails alternately pushing a gather of one color of glass into a 12-point star mold, then covering it later with glass of a different color. Process may be done several times

Circumferential – Refers to a design on the bead that runs around the boundary of the bead

Circumscribe – Refers to a design that runs a line around the bead entirely, once or many times

Combed – a design technique that creates looped lines. This technique is performed by trailing molten glass on the viscous surface of the bead and then dragging a wire through the appliqué. The dragging of the wire is referred to as combing

Compound – A manufacture process which entails winding or wrapping one color of glass onto a wound cord of another color

Conical – Refers to a bead shape that is in the form of a cone

Conjoined – Refers to a process that occurs when two wound beads on the same mandrel touch during manufacture and become fused

Cut – A manufacture process which entails cutting a stone into a bead shape

Diaphaneity – The transparency or opacity of a bead. Describes the quantity of light that is able to travel through a bead

Drawn – A manufacture process which entails drawing out a gather of molten glass into hollow canes, which are cut to bead lengths following the cooling of the glass

Ellipsoidal – Pertaining to the shape of the bead. These beads have a geometric surface, all of whose plane sections are either ellipses or circles and resemble a closed, symmetric curve shaped like an oval

Facet – One of the flat polished surfaces cut on a bead

Fritted – Frits are the fused or partially fused materials used in making glass, These frits are then pressed into the surface of the bead

Grooved – Process by which glass beads are blown into a two-part mold with 12 longitudinal ridges. The beads have a ribbed or grooved appearance.

Glossary

Hot-Tumbled – A finishing process during which drawn beads are placed into a container with sand, ash or other grainy material, and then rotated over a fire

Longitudinal – Refers to the directionality of a bead design where the design runs horizontally to the perforation of the bead

Mandrel – A tool on which molten glass is wound, can be made of a wire, a rod, or a straw coated with a clay slip

Mandrel-Pressed – A manufacture process which entails pressing two pieces of molten glass together in a mold. The resultant bead blank has a conjoined hole that does not pass through the bead, however, a hole is later punched out as a final element in the process

Marver – A hard, flat surface of stone, wood or metal, on which a mass of molten glass is rolled and shaped

Mold-Blown – A manufacture process which entails blowing molten glass into a mold

Mold-Pressed – A manufacture process which entails pinching or pressing molten glass in a two part mold

Monochrome – Being or made in the shades of a single color

Opaque – A type of diaphaneity, or transparency in which no light is able to pass through

Polychrome – Being or made in the shades of two or more colors

Pressed – A manufacture technique in which individual beads are pressed with iron tongs

Punched Perforation – A technique of perforation in which an individual bead is punched with a tapered pin on both ends

Quadrilateral – A bead shape which has four distinct sides

Segmented – Refers to a bead which has been blown into a mold that has multiple cavities, requiring the bead to be broken into segments before being reformed into a single bead

Spherical – Refers to a bead shape that is in the form of a sphere

String – A trail of molten glass which has been dragged on to the viscous surface of a bead

Translucent – A type of diaphaneity, or transparency, in which a small amount of light is able to pass through

Transparent – A type of diaphaneity, or transparency, in which most or all light is able to pass through

Upset – A design technique in which a blown bead is reheated in a chosen place and the two ends of the bead are pushed together creating a mound in a section or sections of the bead

Wound – A manufacture process which entails winding molten glass around a spinning mandrel

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The Northwest Cultural Resources Institute (NCRI) is a cooperative partnership based at Fort Vancouver National Historic Site, dedicated to fostering cultural resources research, education, and stewardship in the Pacific Northwest. The institute brings together National Park Service staff, university professors, and subject matter experts to facilitate research and training, provide expertise, and support other innovative educational endeavors using national parks as laboratories.

The resources available in national parks—including museum collections, archaeological deposits remaining *in situ*, and extant examples of historic architecture—form an unparalleled opportunity for study within the fields of history, archaeology, museum studies, cultural anthropology, and historical architecture. The NCRI encourages applied approaches, where topics are integrated into their larger physical and social contexts through place-based learning and investigation.



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