

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-sppgftps-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.

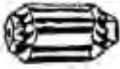


We have chosen to organize this bead guide around the FOVA variety system. Each FOVA variety is represented in this guide, with close up photographs of a sample bead, showing the length and diameter views of each. Each page also has a data table where the following information on each bead type is recorded:

- 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.

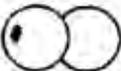
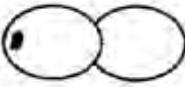
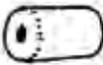
Stylistic Classes of Series 1000 Wound Beads

| | | Cane ¹ | | Hot Tumbled | |
|-------------------|---------------|--|---|---|---|
| | | Single-Layer | Multi-Layer | Single-Layer | Multi-Layer |
| Plain | Short |  | |  |  |
| | Long |  |  |  | |
| Striped | Short | | |  |  |
| Single Faceted | Short | | |  | |
| | Short to Long |  |  | | |
| Double Faceted | 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.

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 |
|-------------------|------|



Actual Size



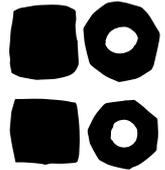
Catalog # FOVA 36605

| | |
|---------------------------|-------------------------|
| 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

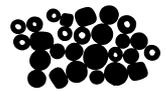


Catalog # FOVA 36583, FOVA 36584 Kidd & Kidd No. If5

| | |
|---------------------------|---|
| 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. Ila14 |
|---------------------------|------------------------------------|
| 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 |

FOVA Variety # 1004



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 |

FOVA Variety # 1006



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



| Catalog # FOVA 7970 | Kidd & Kidd No. Ila12 |
|---------------------------|--------------------------------|
| 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

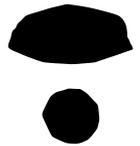


Catalog # FOVA 36545

| | |
|---------------------------|--------------------------------|
| 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 |

FOVA Variety # 1012, 1083



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. Ila27 |
|---------------------------|--------------------------------|
| 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



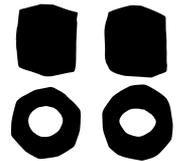
Catalog # FOVA 10860

| | |
|---------------------------|--------------------------|
| 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 |

FOVA Variety # 1023



Actual Size

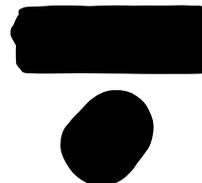


Catalog # FOVA 10286

| | |
|---------------------------|--------------------------------|
| 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 |



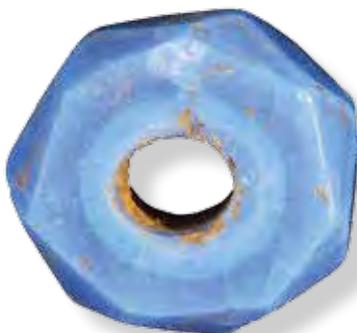
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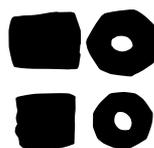
Catalog # FOVA 36599

| | |
|---------------------------|---|
| 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 |

FOVA Variety # 1031, 1032, 1033



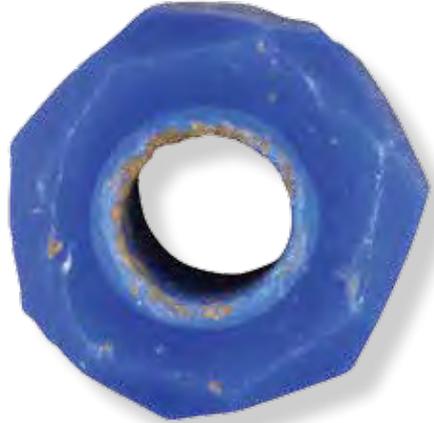
Actual Size



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 |

FOVA Variety # 1034, 1035



Actual Size

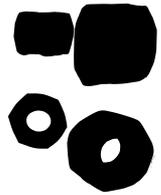


Catalog # FOVA 36587

| | |
|---------------------------|---|
| 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 |



Actual Size

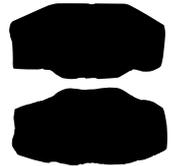


| Catalog # FOVA 36924 | Kidd & Kidd No. IVa6 |
|---------------------------|--------------------------------|
| Bead Type | Bead, Drawn |
| Manufacture Method | Drawn, with Hot-tumbled Finish |
| Diameter (mm) | 1.9-2.8; 2.6-3.7 |
| Length (mm) | 1.1-2.2; 2.2-2.9 |
| Shape | Short, Cylindrical |
| Chroma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

FOVA Variety # 1039



Actual Size

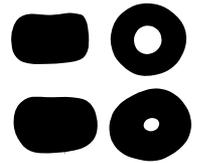


Catalog # FOVA 36607

| | |
|---------------------------|--|
| 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

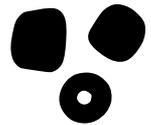


Catalog # FOVA 52466

| | |
|---------------------------|--------------------------------|
| 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

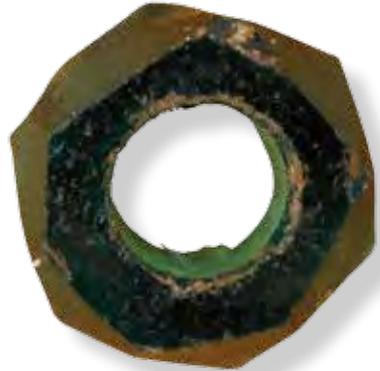
| | |
|---------------------------|---|
| Bead Type | Bead, Drawn |
| Manufacture Method | Drawn, with Chopped Ends |
| Diameter (mm) | 8.3; 7.8-9.9 |
| Length (mm) | 8.8; 6.5-8.7 |
| Shape | Short to Long, Cylindrical |
| Chroma | Monochrome |
| Color | Amber |
| Munsell | 10YR5/10 |
| Decoration | 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 |

FOVA Variety # 1050



Actual Size



| Catalog # FOVA 36541 | Kidd & Kidd No. Ila7 |
|---------------------------|--------------------------------|
| 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. Ila2 |
|---------------------------|--------------------------------|
| 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 |



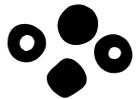
Actual Size



| 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 |



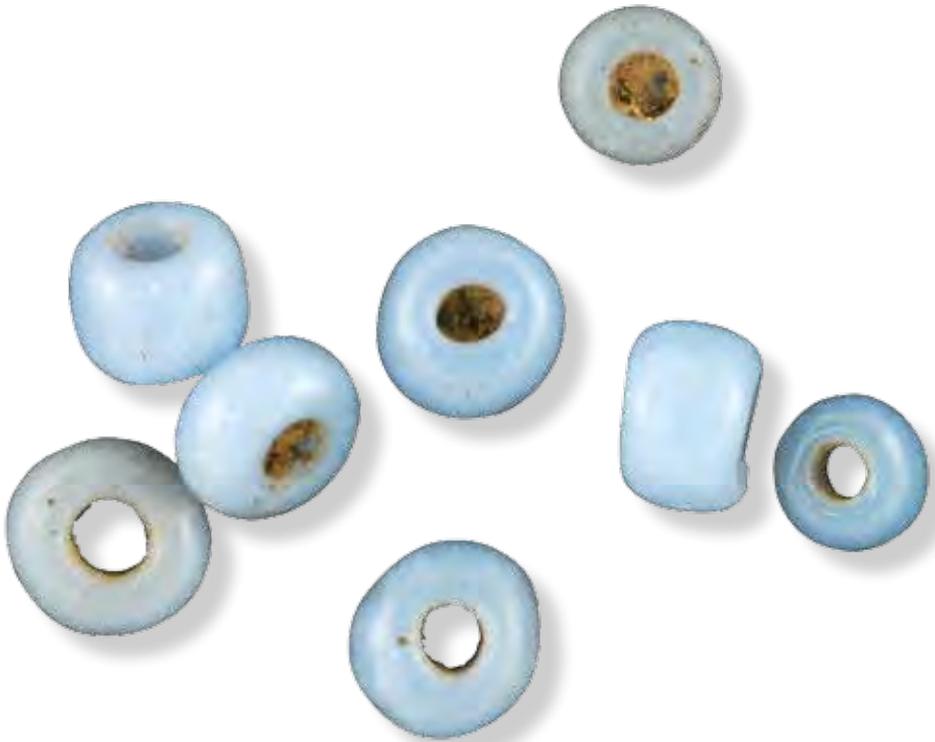
Actual Size



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 |

FOVA Variety # 1054



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 |

FOVA Variety # 1056



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

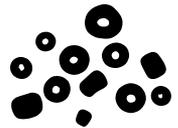


Catalog # FOVA 110204

| | |
|---------------------------|---------------------------|
| 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 |

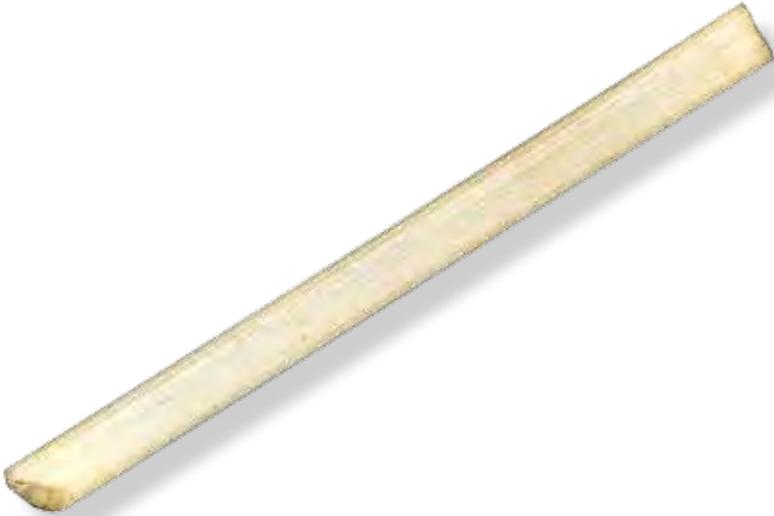


Actual Size



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 |

FOVA Variety # 1067



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



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



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 |

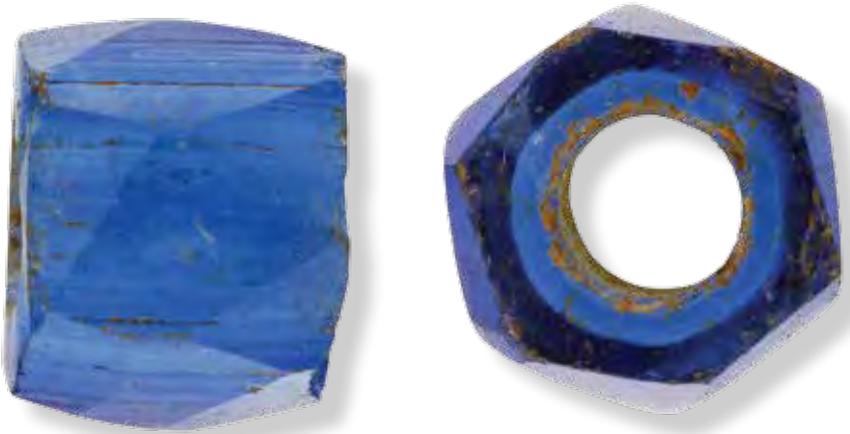


Actual Size



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

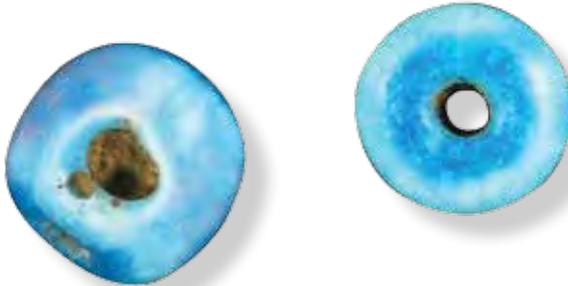
| | |
|---------------------------|--------------------------------|
| Bead Type | Bead, Drawn |
| Manufacture Method | Drawn, with Hot-tumbled Finish |
| Diameter (mm) | 2.9-4.3 |
| Length (mm) | 1.8-3.2 |
| Shape | Short, Cylindrical |
| Chroma | Polychrome |
| Color | White on Dark Brown |
| Munsell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



Actual Size



| Catalog # FOVA 8850 | Kidd & Kidd No. Ila47 |
|---------------------------|--------------------------------|
| 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. Ila19 |
|----------------------------|----------------------------------|
| 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 |

FOVA Variety # 1091



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 |

FOVA Variety # 1093



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.



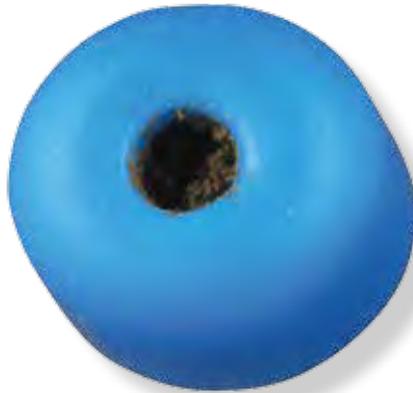
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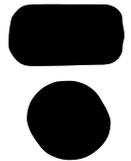
Catalog # FOVA 219197*

| | |
|---------------------------|--------------------------------|
| 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.



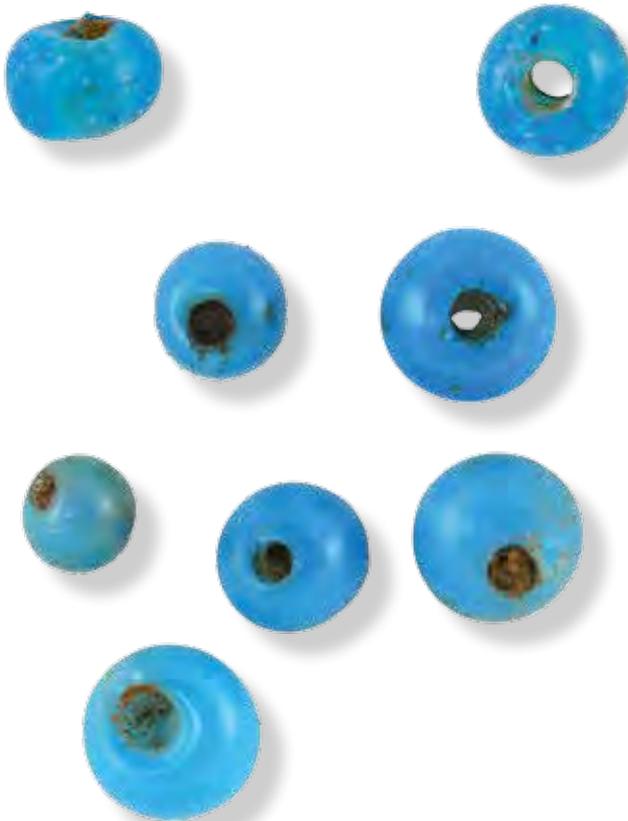
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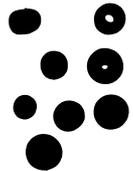
Catalog # FOVA 8517

| | |
|---------------------------|----------------------------------|
| 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

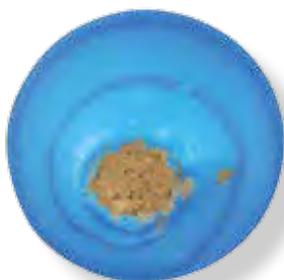


Actual Size



Catalog # FOVA 52497 Kidd & Kidd No. W1b10, W1b11, W1b12

| | |
|---------------------------|------------------------------------|
| 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

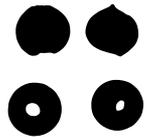


Catalog # FOVA 36510

| | |
|---------------------------|-------------------|
| 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

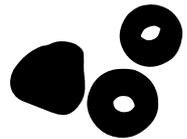


Catalog # FOVA 7002

| | |
|---------------------------|------------------------------|
| 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



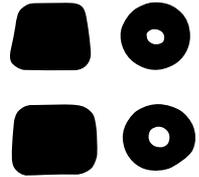
Catalog # FOVA 7273

| | |
|---------------------------|---------------------------|
| 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 |

FOVA Variety # 2013



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

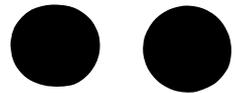


Catalog # FOVA 11927

| | |
|---------------------------|-------------------|
| 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

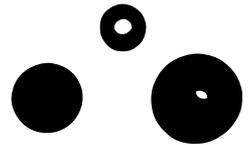


Catalog # FOVA 36513

| | |
|---------------------------|------------------|
| 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 |

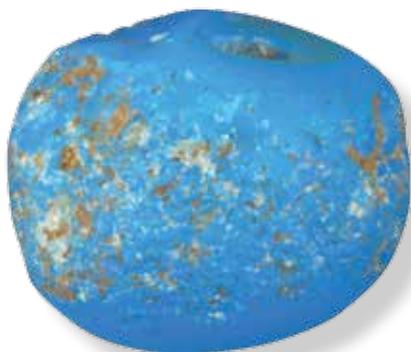


Actual Size



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

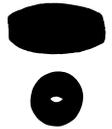


Catalog # FOVA 36518

| | |
|---------------------------|------------------|
| 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 |

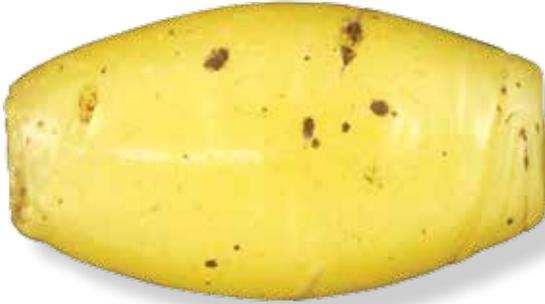


Actual Size

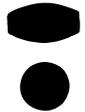


Catalog # FOVA 10314

| | |
|---------------------------|---------------------------|
| 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

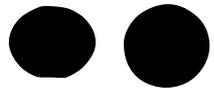


Catalog # FOVA 8864

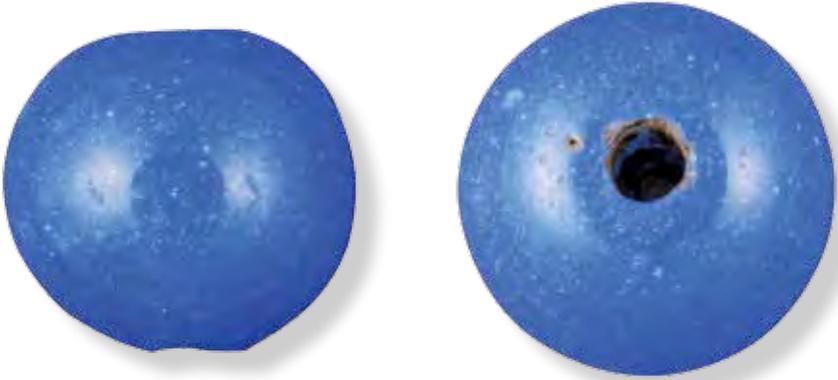
| | |
|---------------------------|-------------------|
| Bead Type | Bead, Wound |
| Manufacture Method | Wound |
| Diameter (mm) | 5.3 |
| Length (mm) | 9.5 |
| Shape | Long, Ellipsoidal |
| Chroma | Monochrome |
| Color | Yellow |
| Munsell | 7.5Y7/6 |
| Decoration | Undecorated |
| Diaphaneity |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



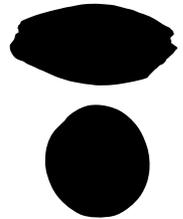
Catalog # FOVA 10315

| | |
|---------------------------|------------------|
| 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 |

FOVA Variety # 2024



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 |



Actual Size



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

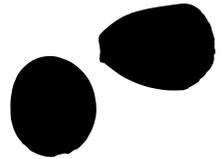


Catalog # FOVA 5441

| | |
|---------------------------|---------------------|
| 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



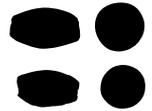
Catalog # FOVA 8013

Kidd & Kidd No. Willd1

| | |
|---------------------------|---------------------------------|
| 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

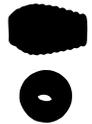


Catalog # FOVA 36520

| | |
|---------------------------|------------------|
| 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 |

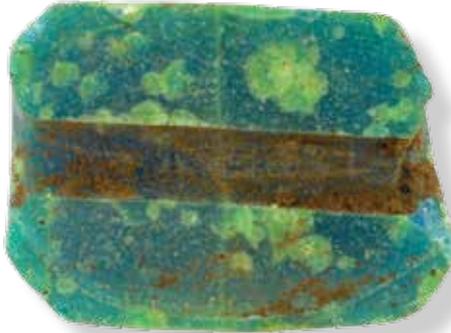


Actual Size



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



Actual Size



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

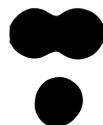


Catalog # FOVA 10317

| | |
|---------------------------|-----------------------|
| 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

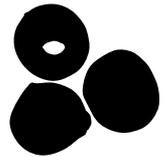


Catalog # 8633

| | |
|---------------------------|---|
| 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

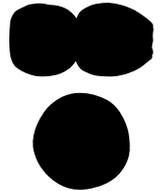


Catalog # FOVA 10907

| | |
|---------------------------|------------------------------|
| 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 |

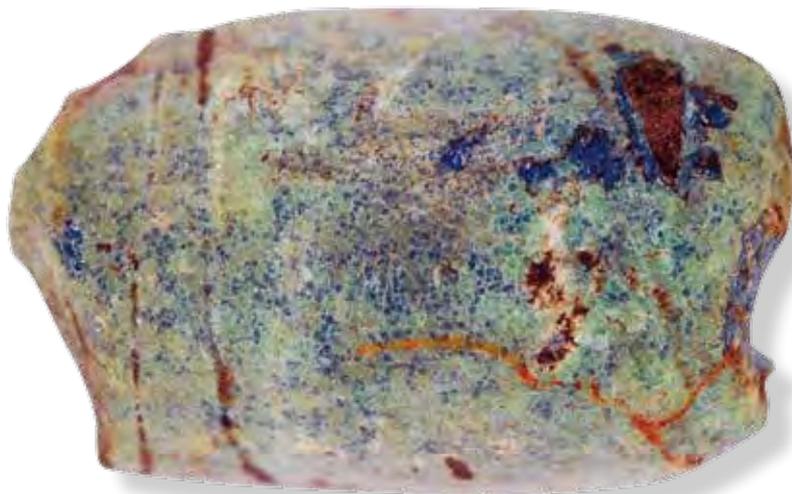


Actual Size



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. W1b15 |
|---------------------------|-----------------------|
| 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 |



Actual Size



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

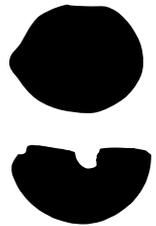


Catalog # FOVA 10912

| | |
|---------------------------|-------------------|
| 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 |



Actual Size



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 |

FOVA Variety # 3002



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

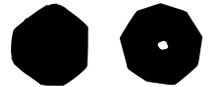


Catalog # FOVA 29978

| | |
|---------------------------|---|
| 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 |



Actual Size



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 |

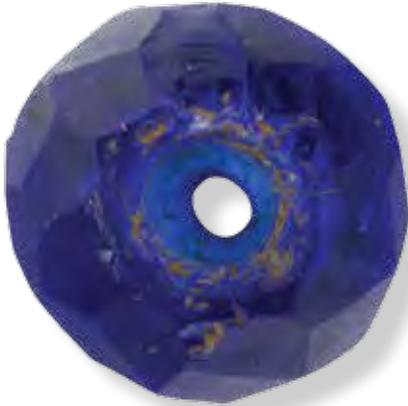


Actual Size



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

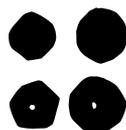


Catalog # FOVA 15184

| | |
|---------------------------|---|
| 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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INSIDE BACK COVER

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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