

The format of this catalogue is as follows:

Inventory no. Type

Text description of the amphora.

Comparanda (not exhaustive—for major types, the first appearance of the type will feature the greatest concentration of standard comparanda, with later examples referring back to that original list, except in exceptional cases).

Figures follow text and bibliography in ascending numerical order (i.e., V4 is followed by V5, V6, and so on).

V1. Tezgör D Snp I

Whole amphora, with what appear to be some remains of marine encrustation. Flattened handle with a single groove in the middle along the length of the handle. Tapered body terminating in a rounded base, with latitudinal grooves running across the body, from the shoulder where handles attach to 5-10 cm above the base. Grooves widen at the midsection.

This type is exceedingly rare in the region, per Opaîţ (2022, 70).

Opaîţ et al. 2022, pl. 28, inventory number MNIR 17524 (Dinogetia, also citing a fragment at Ibida and the Harbor of Theodosius in Constantinople); Tezgör 2020, pl. XV, cat. nos. 67-68.

V4. Kuzmanov XV

Upper 50% of amphora. Red-brown fabric visible at break. Simple 1.5 cm rounded rim, simple round handles. At break point, midway down the amphora body, walls are quite thick (1.7 cm). 1 cm-wide grooves on body and neck.

Böttger 1982, 50, pl. 12.d (Iatrus); Grigoraş and Panaite 2021, 90 (Tropaeum Traiani); Kuzmanov 1985, 20-22 (Odessos, Voivoda, Akra, Balchik, Shumen) Opaîţ 1991a, 213, pl. 15.2 (Topraichioi); Opaîţ 1991b, 141, pl. 11.67-70 (Murighiol); Oprea 2003, pl. XXV.125 (Capidava) Stănescu 2018, 215 (Aegyssus); Swan 2019, 540-41, fig. 20.28, 24c.643 (Dichin); Topoleanu 2000, 151 (Halmyris; author also notes this type is present at most Scythian sites).

V5. Antonova V/Opaîţ B-Id/Kuzmanov XVI

Antonova V amphora, approx. 25 cm in length, with a rounded base. One handle preserved. Reddish-brown fabric visible at break, with many large inclusions.

Grigoraş and Panaite 2021, 90 (Tropaeum Traiani); Hristov 2017, 13, no. 31 (Hrisosotira); Opaîţ 2004, 28-29 (Murighiol, Beroe, Histria, Axiopolis, Tomis); Opaîţ et al. 2022, pl. 103, no. 1291 (fabric comparison from Dinogetia); Oprea and Raţiu 2016, fig. 4, cat. no. 27 (Capidava).

V6. Scorpan IV/Opaiț VIII

Whole amphora. Body tapers down to a solid spike base with a small flare at the very bottom. Narrow mouth and tall neck, rounded rim. Neck bulges a bit where the handles attach. Rather small overall (only roughly 50 cm in length).

Opaiț 2004, 14 (Nifon, Beroe, Medgidia, Axiopolis, Sacidava, Tomis, Odessos, Moesia II, Chersonesos).

V7. Spatheion 3B

Upper 4/5 of amphora preserved, broken just before tapering towards base. Black on interior, thin walls, typically small handles. 35 cm long, 8.5 cm max diameter.

Bass and van Doorninck 1982, 181 P66 (Yassı Ada shipwreck); Bonifay 2004, 128 (definition of type 3B); Bonifay and Pieri 1995, 96-97, fig. 1.6 (Marseille); Conrad 2007, 213-14, fig. 3/1220 (Iatrus); Mackensen 1992, 246-48, abb. 3.4, abb. 4 (Golemanovo Kale, BG); Opaiț 2004, 38-39 (Murighiol, Sucidava, Samos, Berenice, Carthage).

V8. LR3

Toe of LR3 amphora. Spiral ridges faintly visible. Swan (2019, 538) notes this type is “thinly, but widely distributed” amongst Thracian sites. Cf. **V20**.

Opaiț 2004, pl. 7, no. 6 (Topraichioi); Opaiț et al. 2022, pl. 55, inventory numbers 1005, 1645, 1073 (Dinogetia).

V13. Kapitän II

Whole amphora. Typical Kapitän II example: peaked handles, hollow-foot base, tapering neck with grooves from shoulder to upper handle attachment points.

Dyczek 2010 (Novae); Negru et al. 2003, fig.1 nos. 7, 9, 11 (Dacian sites: Romula, Gresia, and Jidava), 211-212, nos. 27-29 (Colonești-Mărunței, Ostia); Opaiț 2022, 206, fig.24 (Athenian Agora P 18354); Opaiț et al. 2022, 61, inventory numbers 1808, 2647 (Dinogetia); Topoleanu 2000, 334, pl. XLIV, no. 355 (Halmyris).

V14. LR1B

Nearly intact amphora. One handle missing. Extant handle exhibits double-stepped concave molding. Rim is simple, rounded, unevenly made. A ridge runs around the neck at the point where handles attach. Typically for LR1 examples, ridges run around the body, growing wider at the midsection, then narrower towards the rounded base. Possible dipinti (απυ?)

Opaiț et al. 2022, pl. 53, inventory numbers 1283, 1285, 1293 (Dinogetia); Swan 2019, 528, 7c.587 (Dichin); Topoleanu 2000, pl. XLIII, nos. 341, 343 (Halmyris).

V17. Kapitän II

Mostly intact amphora, missing one handle. Neck is more bulbous than **V13**. Rim is collared, similar to other Kapitän II examples. Neck features grooves running from handle attachment point to shoulder. Handles rise above the rim. Body is piriform and has grooves starting just below shoulder, running down to hollow base.

Negru et al. 2003, fig. 1 no. 2 (Dacia: Enoșești-Acidava); Opaïț et al. 2022, pl. 13, inventory number 2647 (Dinogetia); Topoleanu 2000, 334, pl. XLIV, no. 355, 356 (Halmyris).

V20 LR3

Intact amphora.

Grigoraș and Panaite 2021, 90, cat. nos. INV 610 and 169 (Tropaeum Traiani); Opaïț 2004, pl. 7, no. 6 (Topraichioi); Opaïț et al. 2022, pl. 55, inventory numbers 1005, 1645, 1073 (Dinogetia); Opraș and Rațiu 2016, fig. 18, no. 10 (Capidava).

V21. Antonova V/Opaïț B-Id/Kuzmanov XVI

Intact amphora

Grigoraș and Panaite 2021, 90 (Tropaeum Traiani); Hristov 2017, 13, no. 31 (Hrisosotira); Opaïț 2004, 28-29 (Murighiol, Beroe, Histria, Axiopolis, Tomis); Opaïț et al. 2022, pl. 103, no. 1291 (fabric comparison from Dinogetia); Opraș and Rațiu 2016, fig. 4, cat. no. 27 (Capidava).

V22. Pontic?

Mostly intact amphora, missing one handle. Appears to be a western Pontic type. Neck is ridged and culminates in a simple rounded rim. Handles are gently curving, distinct from Opaïț B-I and B-V, the two most similar forms. The vessel appears to have been made somewhat more poorly than other similar examples: it is asymmetrical, and the ridging is inconsistent along the body.

V23. Spatheion 3B

Intact amphora, identical to **V7**, albeit with tapered spike base preserved.

V24. Kuzmanov XV

Mostly intact amphora, missing one handle. Pitch preserved on outside of amphora. Grooves are irregular, going a different direction roughly 2/3 of the way down the body. Rim is taller and broader than typical Kuzmanov XV examples, and is more reminiscent of LR2 funnel mouths.

Opaïț 2004, 28 (Iatrus).

V25. Spatheion 2A

Spatheion, roughly 75% preserved. Rim is quadrangular in cross-section, marking it as a type 2A spatheion (Bonifay 2004, 125-27).

Opaït et al. 2022, pl. 61, inventory numbers 2141, 1584 (Dinogetia).

V26. Shelov C/Zeest 94/Opaït E-VI

Roughly 75% reconstructed amphora, neck mostly missing and both handles missing. Fabric is beige, with numerous black (pyroxene, per Opaït 2004) inclusions. Possibly dates prior to the Late Roman period, as this type was in production between the 1st and 4th centuries CE.

Opaït 2004, 31-32 (Telița-Amza, Slava Rusă-Coșari, Caugagia, Topraichioi, Mihai Bravu, Murighiol, Tomis); Opaït et al. 2022, pl 9, inventory number 1020 (Dinogetia).

V28. Kuzmanov XV

Heavily degraded amphora. Identified as Kuzmanov XV on the basis of grooves running along body and fabric (a typical dark brown with many inclusions and voids).

V29. Opaït B-V

75% preserved (missing one handle, base, and rim/upper part of neck). Body shows some ridging immediately below shoulder, but the remainder of the body is too degraded to show any details. Marine encrustation covers most of the amphora.

V31. Kuzmanov XV

Intact amphora.

V32. Kuzmanov XV

Roughly 75% preserved amphora. Orangeish-red exterior is quite weathered, but grooves are still visible running from below the rim to the end of the preserved extent of the body.

V33. Tezgör D Snp I

Intact amphora. Identical to **V1**.

V35. LR1

LR1, very fragmented, too fragile to be removed from its container. Double-stepped handles, light-brown fabric with greyish core. Grooves running along body. Typical ridge on neck where handles attach. Most closely matches Opaït's examples of LRA1A4 (2004, 8, citing an example from Troesmis).

V36. Kapitän II

Mostly intact amphora, missing one handle and base. Handles rise to a peak above the rim. Grooves on neck below handle attachment, extending to shoulder.

V46. Aegean (Opaiṭ “burduṭ” type, 2C?)

Roughly 30% preserved amphora: base and a large percentage of body missing. Rim is quadrangular in section. Handles are small and basic. Grooves run along neck and midsection.

Opaiṭ et al. 2022, pl. 37 (Dinogetia).

V47. LR2

Broad funnel-shaped rim and neck/shoulder preserved. Sgraffito ΣΔ preserved below rim. Traces of grooves visible just on or below the shoulder, a few centimeters above fracture.

V48. Spatheion type 2A

Identical to **V25**. Not photographed.

V50. LR1B1 or 2

Almost entirely reconstructed standard LR1 variant (per Swan 2019). Relatively broad cylindrical body, with tightly spaced grooves on the upper section, just below the shoulder, and near the rounded base, continuing almost to the bottom of the amphora. The midsection/waist has no grooves. Rim/mouth is somewhat funnel-shaped compared to other examples, similarly to LR2 examples. This is likely a mid-5th-century subtype defined by Opaiṭ (2004, 9), notable for its thickened rim, truncated conical neck, and funnel-shaped mouth. Handles have one longitudinal ridge.

Opaiṭ 2004, 9 (Topraichioi, Marseille); Opaiṭ et al. 2022, pl. 51, inventory number 1139 (Dinogetia); Swan 2019, fig. 20.24, no. 7b.7.586 (Dichin).

V51. Kuzmanov VI

Two Kuzmanov VI amphorae, with rim, neck, and handles preserved. (One exemplar photographed). All examples feature stamps or sgraffiti.

V51.1 features a stamped cross with text, and **V51.2** features an incised “MH(Σ?)”

V58. Pontic?

Small intact amphora, appearing in form and fabric like a small version of Opaiṭ D-II/Böttger II-4. Fabric is similar to Kuzmanov XV examples: reddish brown, with voids. Rim is simple and rounded, rising 4-5 cm above the point at which the handles attach, and handles are small and simple as well. Base is rounded. Despite heavy weathering, grooves are still visible running from the shoulder to the base. This vessel, like **V22**, is not symmetrical, with a bend visible in the mid-body.

V61. Pontic LR1 imitation

Intact amphora (one handle reconstructed). Broad, cylindrical body with evenly-spaced grooves all over. Bottom of the amphora is rounded, with a knob base in the center. Rim is rounded. Exterior was covered in white pigment, some of which is still visible here. Opaît, in defining this type, notes that this type is difficult to define because of the lack of complete specimens (2022, 73). This example is one such complete specimen, likely missed because this amphora was never published in any significant way. Swan (2019, 523) is notably dismissive towards defining this type as an imitation, referring to it instead as an “allied” version, though what this means for its production or its status as an economic indicator is left unclear.

Opaît et al. 2022, 73, pl. 32, inventory number 1044 (Dinogetia).

V62. LR2

Reconstructed example, roughly 75% complete. Handles are shallow and nearly horizontal, and body is more globular than many other LR2 examples. Mouth is funnel-shaped. Straight grooves run from the shoulder, where the handles attach, to midway down the body. Base not preserved.

Opaît 2004, 12 (Aegyssus); Opaît et al. 2022, pl. 76, inventory number 1003; pl. 81, inventory numbers 2039, 1216 (Dinogetia); Swan 2019, fig. 20.26, no. 16c.606 (Dichin).

V64. Spatheion 3B?

Miniature spatheion. Vertical smoothing marks from production visible along part of the amphora body (fairly typical for this form). Small handles attached to neck. Rim is rudimentary compared to other examples, and is roughly quadrangular in section. This example is uneven in its manufacture, with the body being somewhat asymmetrical and crooked.

Bonifay 2004, 127-28 (Yassı Ada shipwreck, Murighiol, Rome)

V68. Shelov C

Upper 10% of amphora. Rim and neck preserved. Dipinti visible on neck. Large rounded rim and handles with a single longitudinal groove. Reddish-brown fabric.

Opaît et al. 2022, pl. 9, inventory number 2200 (Dinogetia).

V71. Kuzmanov XV (variant C)

Nearly entirely preserved (missing one section of rim and neck). Reddish-brown fabric, with grooves running along body from shoulder to base. Matches Opaît’s variant C of the Kuzmanov XV type.

Opaît et al. 2022, pl. 66, inventory number 1006 (Dinogetia).

V72. Kapitän II

Neck and partial rim of amphora.

V73. Antonova V

Body and one handle preserved. Ridges running from top of shoulder to near base. Cf. **V5**.

V74. LR1A

Heavily reconstructed LR1A amphora.

V75. Tezgör D Snp I

Nearly intact example. Marine encrustation on neck, shoulder, handles, and sparsely on body. Cf. **V1**.

V77. Tezgör LRA Snp IA transitional form

Rim, neck, handles and shoulders preserved. Spiral groove runs around neck, and evenly-spaced ridges run from shoulder to the end of preserved body. Handles demonstrate something akin to double-stepped molding. A hole has been drilled into the neck of the amphora, presumably for fermentation purposes. Cf. **V81**.

V80. LR2

Rim and neck. Mouth is the typical funnel shape.

V81. Tezgör LRA Snp IA transitional form

Rim, neck, handles, and roughly 25% of body preserved. Slightly peaked, somewhat ear-shaped handles attached near rim. A spiral ridge runs along the neck from the point where handles attach to the shoulder. Grooves (non-spiral) extend from the shoulder to the end of the preserved body. Tezgör (2020, 40) connects the form to a pan-Roman production of forms similar to LR1, this version being a Sinopean product. Cf. **V77**.

Tezgör 2020, 41, cat. nos. 88, 89.

V82. LR1

Roughly 50% preserved; heavily reconstructed on one side. Cylindrical neck, rounded rim with a distinct lip, and a ridge running around the neck where handles attach. Handles are rounded. Grooves that appear evenly spaced run from just below handles to just above the base.

V84. LR1

Rim, neck, two handles, and shoulder preserved.

V85. Tezgör X Clc I

85% preserved amphora, missing base. Handles are wide and thin, with a ridge running around the neck where they attach. Roughly cylindrical body, with a slight waist. Opaît (2004, 32) notes that

some examples have been found with significant amounts of tar or pitch, suggesting this or Heracleian wine as main contents.

Opaiț 2004, 32 (Histria, Tomis, Murighiol, Odessos, Sozopol, Tyritake); Tezgör 2020, 54-55, cat. nos. 110, 112.

V86. Tezgör Y Clc I

50% preserved, fractured just below the “waist” section. Rim is everted to a greater degree than **V85**. Exterior is a dark brownish color, and reddish-brown on fracture. Grooves run from base of neck to the end of preserved body. Handles are flat and broad, with a single large longitudinal groove.

V87. LR2

Extremely worn example. Numerous black (pyroxene?) inclusions visible on exterior. Neck, one handle, and shoulder preserved.

V95. LR4A4

Heavily damaged, roughly 50% reconstructed. One small ear-shaped handle preserved. Ridges run from where handle attaches to body, to just below the lower handle attachment point, thinner grooves around the midsection, and again from the bottom to roughly 10 cm above the rounded base. Rim is pronounced, in contrast to other examples in which the rim is almost nonexistent. This amphora is relatively long and thin compared to other subtypes of LR4 amphora, corresponding to Sazanov’s LR4A4 type, dating to the second half of the 5th century and 6th century per Opaiț (2004, 20).

Barako 2008, 459, fig. 23.29 (Ashkelon); Opaiț 2004, 20 (Novae, Ibida, Tomis, North Sinai, Spain, Demetrias, Kellia); Opaiț et al. 2022, pl. 59, inventory number 2092 (Dinogetia); Sazanov 2017, 633-35 (type definition); Topoleanu 2000, pl. XLIII, nos. 347, 349 (Halmyris).

Odessos—Ancient Baths, near 10 Sophranija Vrachanski St., Varna

V89. Kapitän II

Rim, neck, and 1/3 of one handle preserved. Fabric is the dark brown typical of other Kapitän II examples. Ridges run from where handles attach to neck to the bottom of the preserved neck.

V90. Kapitän II

Rim and roughly 5 cm of neck preserved. One handle minimally preserved where it attached to neck. Fabric is much lighter than other examples (e.g., **V89**), reddish-orange.

V91. Shelov D

Rim, partial neck, and small part of handles preserved. Fabric is coarse with many large inclusions.

Opaiț et al. 2022, pl. 10, inventory number 358 (Dinogetia).

V93. LR1

Rim, neck, one handle, and partial shoulder preserved.

V94. Pieri LRA10?

Rim, neck, two handles, and shoulder preserved.

Băjenaru 2023 (Ulmetum); Opaîţ et al. 2022, pl. 46, inventory number 2165 (Dinogetia).

Marcianopolis—Western Insula

VM2. LR1

50% preserved rim and neck, one handle and shoulder. Light grooves preserved on shoulder. Handle is quadrangular in section. Fabric is reddish-brown, relatively few, small black inclusions. Chi-shaped sgraffito preserved in part on shoulder, just below neck.

VM4. Shelov F?

Rim, neck, and partial handle preserved. Rim is rounded, and neck is cylindrical, tapering just before the break, above the shoulder. Handle features two longitudinal grooves. Fabric is beige with numerous black inclusions.

Didenko 2024, fig. 13 (Olbia); Opaîţ et al. 2022, pl. 22, inventory number 1019 (Dinogetia).

VM7. Aegean (Opaîţ “burduf” type 3 subvariant)

Cylindrical neck, beaded rim, two elliptical handles with a single longitudinal groove, and shoulder preserved. Grooves run along the shoulder where the handles attach to the lowest preserved point on the body. Fabric is reddish-brown and micaceous. Similar to **V46**.

Opaîţ et al. 2022, 77, inventory number 2077 (Dinogetia, Nicopolis, Topraichioi, Ravenna, Gortina).

VM8. LR2

Body sherd with narrow grooves across preserved extent. Traces of pitch found inside.

VM10. Aegean (Opaîţ “burduf” type 3)

Base. Grooves run from top of preserved body to roughly 3 cm above endpoint of spike base. Amphora appears to have been relatively broad. Numerous small black inclusions.

Opaîţ et al. 2022, pl. 37, inventory number 2106 (Dinogetia).

VM14. Aegean (“burduf” type 3)

Rounded rim, cylindrical neck, two almost rectangular handles, preserved to shoulder. A few grooves are retained below handles. Fabric is light brown, slightly micaceous. Cf. **VM7**.

VM17. Proto-LR3

Rim, narrow tapering neck, single flattened handle, grooved shoulder. Appears to be a one-handled LR3 or a local imitation, in a form identical to early LR3 versions dating to the 4th c. CE found at Dinogetia.

Opaiț et al. 2022, pl. 11, inventory number 1498 (Dinogetia).

VM20. LR3 imitation?

Lower portion of amphora body, including a hollow toe similar to LR3 examples. Ridges run from top of exposed body to ca. 15 cm above toe. Fabric is slightly micaceous and grey.

Opaiț et al. 2022, 91 (Dinogetia).

VM21. LR3 imitation?

Toe similar to LR3 examples, in a grey fabric identical to that of **VM20**.

VM22. LR3 imitation?

Toe similar to those seen on LR3 examples. Fabric is grey. Cf. **VM21**.

Works Cited in this Catalogue

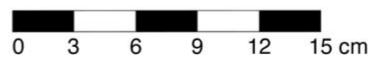
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Figures



V1





0 2 4 6 8 10 cm

V4



V5





V6



V7



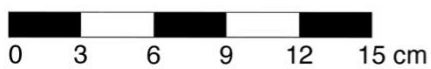


V8



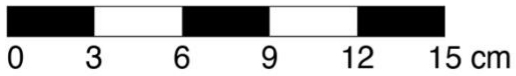


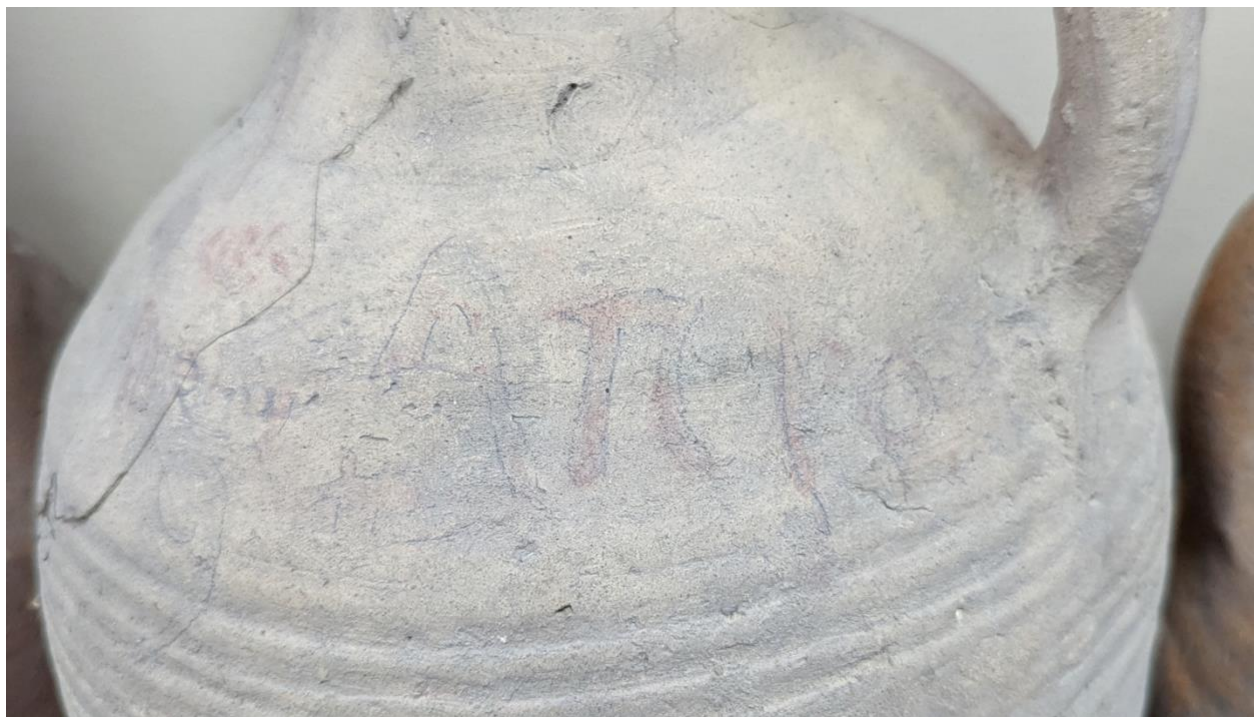
V13





V14





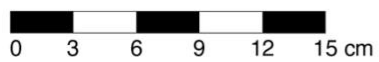


V17

0 3 6 9 12 15 cm



V20





V21

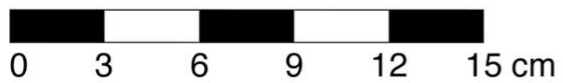




V22

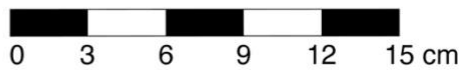


V23





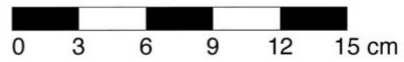
V24





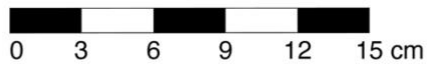
Rim section for illustration; not to scale.

V25



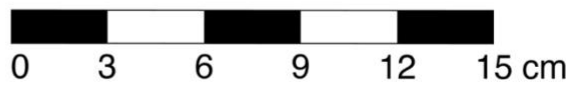


V26



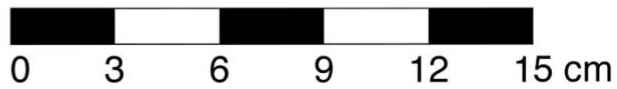


V28



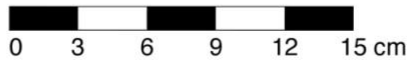


V29





V31



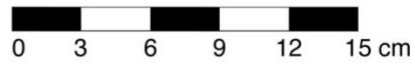


V32



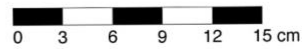


V33





V35





V36



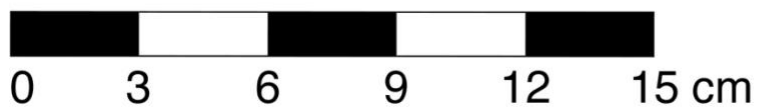


V46



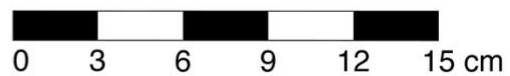


V47



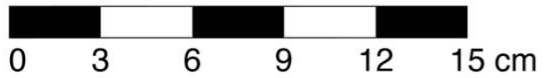


V50



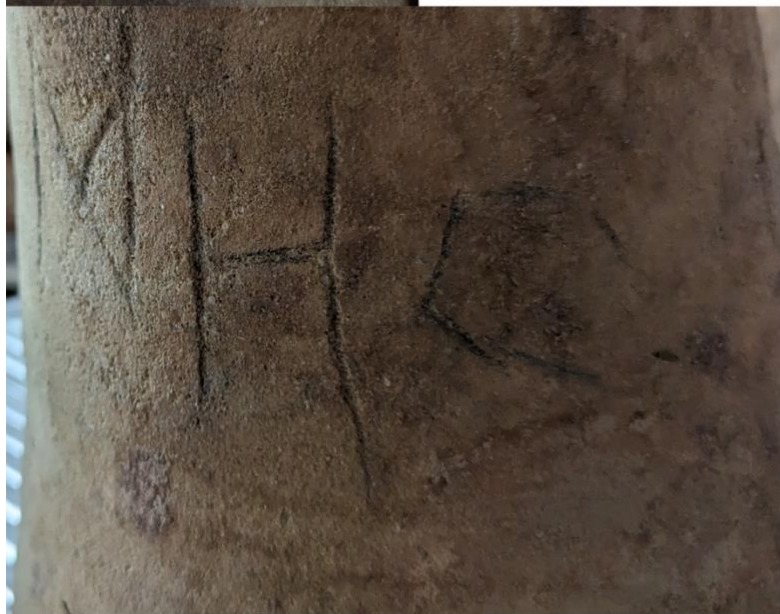


V51.1





V51.1

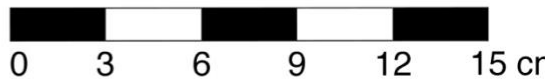


V51.2



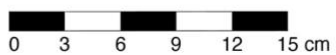


V58



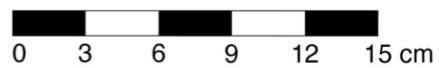


V61





V62





V64





V68

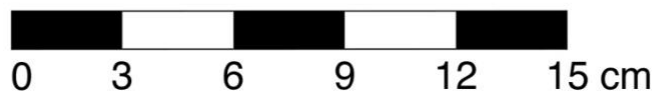


0 3 6 9 12 15 cm



V71

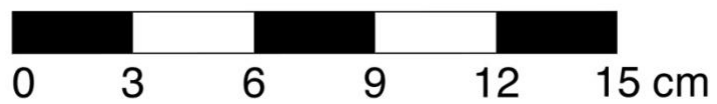




V72

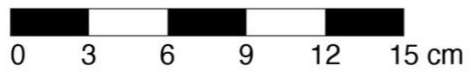


V73



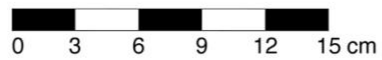


V74



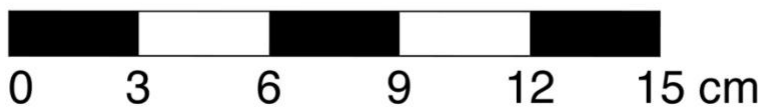


V75





V77





V80



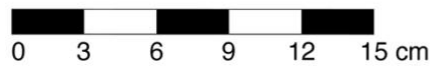


V81



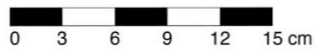


V82

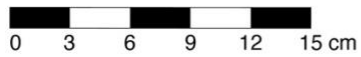




V84



V85



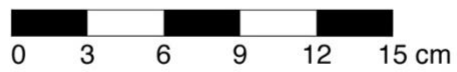
V86



V87



V89



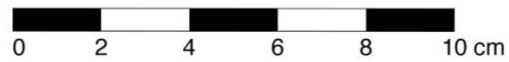


V90





V91





0 3 6 9 12 15 cm

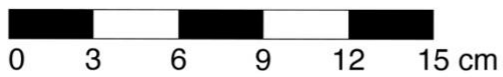
V93



V94



V95





VM2





VM4



VM7



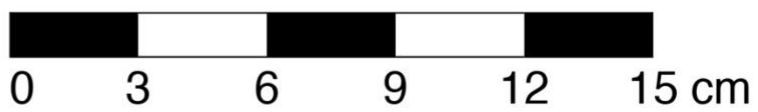


VM8



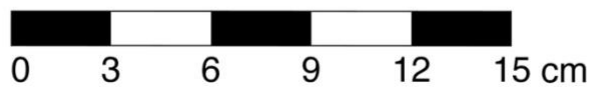


VM10



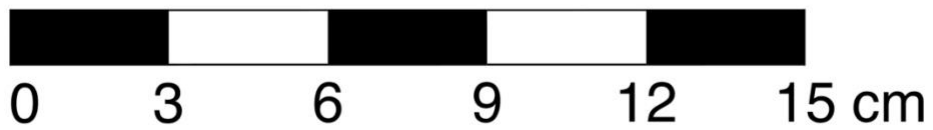


VM14



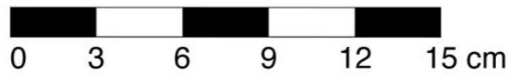


VM17





VM20







VM20 (center)
VM21 (left)
VM22 (right)