Using the Brill Epichoric Greek font  
in MS Word on MS Windows

Brill Epichoric v. 0.80 b007.otf, designed by John Hudson (Tiro Typeworks)

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# Scope of this guide

This user guide is the first Windows-specific guide to using the Brill Epichoric Greek font. It attempts to convey the basic concepts and working methods to use the font for the input of Epichoric Greek text in an MS Word/MS Windows environment. It does not cover further textual processing (MS Word to XML, transformation of XML to HTML).

# Font characteristics

The local scripts of the Geometric, Archaic and Classical periods show a wide variety of glyph forms. The Brill Epichoric font was made as a tool to render localized inscriptional glyph forms in a typographic way, *i.e.*, not in each and every individual idiosyncratic detail but in a typical form, recognizable to experts as belonging to a particular local script, frequently also as characteristic of a particular time period. The even larger variety of glyph shapes found painted on or carved in ceramics did not explicitly form part of the scope, although many have been added because they are described in standard reference works. Brill’s main scholarly adviser is Dr Nikolaos Papazarkadas (UC, Berkeley), one of the editors of the *Supplementum Epigraphicum Graecum*. Brill gratefully acknowledges advice received from Dr Sophie Minon (École Pratique des Hautes Études, Université PSL) on Arcadian glyphs.[[1]](#footnote-1)

# The principal written sources

J.W.A. Kirchhoff, *Studien zur Geschichte des griechischen Alphabets*, Gütersloh 1887⁴ [reprint Amsterdam 1970]

L.H. Jeffery, *The Local Scripts of Archaic Greece.* A Study of the Origin of the Greek Alphabet and Its Development from the Eighth to the Fifth Centuries B.C., Oxford 1961 [reprint 1963]

L. Threatte, *The Grammar of Attic Inscriptions*, Berlin/New York 1980

H.R. Immerwahr, *Attic Script.* A Survey, Oxford 1990

# Installing the font

Double-click on the file named ‘Brill Epichoric b007.otf’ and click on the Install button. Close the font installation window. You can now use the Brill Epichoric font.

# Character input in MS Word (on MS Windows)

There are two ways to input Greek characters present in the Brill Epichoric font:

1. To access the default ‘generalized’ Greek Epichoric alphabet, use any Greek (software) keyboard available to you, for instance ‘Greek’ or ‘Greek Polytonic’ (available as MS keyboards) or ‘GreekKeys Unicode’ (a third-party keyboard available from the SCS). Because Epichoric Greek is caseless, but the characters in the main look like capital letters, use the Shift state of the keyboard. Note that these keyboards do *not* give you access to non-modern characters such as Digamma, Heta or Koppa.

The default Greek Epichoric alphabet looks like this: Α Β Γ Δ Ε Ϝ (Digamma) Ͷ (Pamphylian Digamma) Ζ Η Ͱ (Heta) Θ Ι Κ Λ Μ Ν Ξ Ο Π Ϻ (San) Ϙ (Koppa) Ρ Σ Ͳ (Archaic Sampi) Τ Φ Χ Ψ Ω  (Arcadian letter, still nameless). Only the nameless Arcadian letter is in the Private Use Area [see below under ‘**Character encoding: ‘default’ and ‘variant’; Private Use codes**’ for an explanation of what the PUA is] even in its default form. Eta and Heta share the same shape but have different encodings; the same applies in the cases of Mu and San.

2. To access all characters and variant glyphs, please first consult the list ‘**Characters and variant glyphs**’ below, which lists the Unicode hexadecimal value next to each character or glyph. Hexadecimal numbers run from 0-9 and then from A-F (or a-f: it does not matter whether you use capital or lowercase letters as hexadecimal digits). For the present purpose, there are four-and five-digit numbers to reckon with. These hexadecimal values (‘hex numbers’) can be used as input in MS Word by employing the ‘**Alt X** method’. First, type the Unicode hex number, and while the insertion point is positioned immediately after the hexadecimal number, key **Alt X**. This converts the code to the character. This works as a toggle: key **Alt X** again and the hexadecimal code reappears.

# Character encoding: ‘default’ and ‘variant’; Private Use codes

As noted above, default ‘generalized’ Greek characters are encoded as capital Greek characters. All other letter forms (‘glyphs’) are designated as ‘variants’ and have unique Private Use codes associated with them. A Private Use Area of Unicode is a code space in which individual users may encode characters or symbols which do not have a dedicated Unicode encoding, or which have a purpose which precludes encoding them with their ‘regular’ Unicode code values. Since Unicode does not encode Greek letterform variants separately, each must be separately encoded in a Private Use Area. (There is another possibility, but MS Word cannot make use of that.) The first available Private Use Area of Unicode runs from U+E000-F8FF (‘U+’ marks out what follows as a Unicode hexadecimal value).

# Directionality, retrograde (sinistrograde) text and *boustrophedon*

Note that each character and glyph is available in two forms: dextrograde (right-facing) and sinistrograde (left-facing). This does not mean that all forms are necessarily attested: they are provided in case they are *or may later become* needed. Sinistrograde glyphs must be used when a line runs from right to left, such as in fully retrograde (better designated as sinistrograde) inscriptions, or in the right-to-left lines of a *boustrophedon* inscription. In order to force a whole line to run from right to left, insert an RLO (Right to Left Override) directional formatting character, U+202E. In some applications, this will also automatically trigger the display of glyphs that ‘face the other way’. Unfortunately, this is currently not the case in MS Word. Even so, users should insert the RLO directional control wherever appropriate to ensure future textual integrity, as well as proper rendering in applications that do in fact support the feature.

An example of a forced right-to-left run of text follows (directional formatting controls are made visible in this example as dotted rectangles, but they are invisible in normal use):

ΤΟΟ:[ΙΙ?]:ΠΟΤ̣[Ο]:ΠΟΤΙΟ[:]

add  at the beginning of the line, immediately before ΤΟΟ:

ΤΟΟ:[ΙΙ?]:ΠΟΤ̣[Ο]:ΠΟΤΙΟ[:]

in text applications with ‘rtla’ OpenType feature support – such as LibreOffice – this renders as:



To end a right-to-left run of text, insert a  (Pop Directional Formatting) character, U+202C; or end the line with a Return character, which also returns writing direction to the default.

In applications such as MS Word users must insert the separate sinistrograde glyphs (marked with .rtla at the end of their ProdName in the table ‘**Characters and variant glyphs**’, below) and then add the  directional formatting control character (U+202E). In such a way, MS Word can at least display the text correctly:

# Take care to encode the text correctly: beware of ‘confusables’

The number of glyphs that look the same but have entirely different meanings is substantial. Textual integrity presupposes correct encoding. Beware, therefore, of glyphs such as these:

 = β, Paros and Siphnos [encode as U+E055]

 = γ, Argos [encode as U+E08D]

 = ο, Melos [encode as U+E443]

 = π, Crete [encode as U+E489]

Do not encode just the visual shape, but choose the correct Greek character – unless there is no way at all in which it can be identified, in which case the lowest hexadecimal value should be chosen.

# Characters and variant glyphs

The table below probably needs little explanation. The designation ‘rtl’ in the default/variant column means ‘right to left [glyph]’. The fourth ‘ProdName’ column displays an internal name each character has received which uniquely identifies it; the extension ‘.rtla’ in the name designates the OpenType feature ‘right to left alternate’.

**Char. hex. default/variant ProdName**

Α 0391 default Alpha

 E000 var. 1 Alpha.1

 E001 var. 2 Alpha.2

 E002 var. 3 Alpha.3

 E003 var. 4 Alpha.4

 E004 var. 5 Alpha.5

 E005 var. 6 Alpha.6

 E006 var. 7 Alpha.7

 E007 var. 8 Alpha.8

 E008 var. 9 Alpha.9

 E009 var. 10 Alpha.10

 E00A var. 11 Alpha.11

 E00B var. 12 Alpha.12

 E00C var. 13 Alpha.13

 E00D var. 14 Alpha.14

 E00E var. 15 Alpha.15

 E00F var. 16 Alpha.16

 E010 var. 17 Alpha.17

 E011 var. 18 Alpha.18

 E012 var. 19 Alpha.19

 E013 var. 20 Alpha.20

 E014 var. 21 Alpha.21

 E015 var. 22 Alpha.22

 E016 var. 23 Alpha.23

 E017 var. 24 Alpha.24

 E018 var. 25 Alpha.25

 E019 var. 26 Alpha.26

 E01A var. 27 Alpha.27

 E01B var. 28 Alpha.28

 E01C var. 29 Alpha.29

 E01D var. 30 Alpha.30

 E01E var. 31 Alpha.31

 F000 default, rtl Alpha.rtla

 F001 var. 1, rtl Alpha.1.rtla

 F002 var. 2, rtl Alpha.2.rtla

 F003 var. 3, rtl Alpha.3.rtla

 F004 var. 4, rtl Alpha.4.rtla

 F005 var. 5, rtl Alpha.5.rtla

 F006 var. 6, rtl Alpha.6.rtla

 F007 var. 7, rtl Alpha.7.rtla

 F008 var. 8, rtl Alpha.8.rtla

 F009 var. 9, rtl Alpha.9.rtla

 F00A var. 10, rtl Alpha.10.rtla

 F00B var. 11, rtl Alpha.11.rtla

 F00C var. 12, rtl Alpha.12.rtla

 F00D var. 13, rtl Alpha.13.rtla

 F00E var. 14, rtl Alpha.14.rtla

 F00F var. 15, rtl Alpha.15.rtla

 F010 var. 16, rtl Alpha.16.rtla

 F011 var. 17, rtl Alpha.17.rtla

 F012 var. 18, rtl Alpha.18.rtla

 F013 var. 19, rtl Alpha.19.rtla

 F014 var. 20, rtl Alpha.20.rtla

 F015 var. 21, rtl Alpha.21.rtla

 F016 var. 22, rtl Alpha.22.rtla

 F017 var. 23, rtl Alpha.23.rtla

 F018 var. 24, rtl Alpha.24.rtla

 F019 var. 25, rtl Alpha.25.rtla

 F01A var. 26, rtl Alpha.26.rtla

 F01B var. 27, rtl Alpha.27.rtla

 F01C var. 28, rtl Alpha.28.rtla

 F01D var. 29, rtl Alpha.29.rtla

 F01E var. 30, rtl Alpha.30.rtla

­ F01F var. 31, rtl Alpha.31.rtla

Β 0392 default Beta

 E040 var. 1 Beta.1

 E041 var. 2 Beta.2

 E042 var. 3 Beta.3

 E043 var. 4 Beta.4

 E044 var. 5 Beta.5

 E045 var. 6 Beta.6

 E046 var. 7 Beta.7

 E047 var. 8 Beta.8

 E048 var. 9 Beta.9

 E049 var. 10 Beta.10

 E04A var. 11 Beta.11

 E04B var. 12 Beta.12

 E04C var. 13 Beta.13

 E04D var. 14 Beta.14

 E04E var. 15 Beta.15

 E04F var. 16 Beta.16

 E050 var. 17 Beta.17

 E051 var. 18 Beta.18

 E052 var. 19 Beta.19

 E053 var. 20 Beta.20

 E054 var. 21 Beta.21

 E055 var. 22 Beta.22

 E056 var. 23 Beta.23

 E057 var. 24 Beta.24

 F040 default, rtl Beta.rtla

 F041 var. 1, rtl Beta.1.rtla

 F042 var. 2, rtl Beta.2.rtla

 F043 var. 3, rtl Beta.3.rtla

 F044 var. 4, rtl Beta.4.rtla

 F045 var. 5, rtl Beta.5.rtla

 F046 var. 6, rtl Beta.6.rtla

 F047 var. 7, rtl Beta.7.rtla

 F048 var. 8, rtl Beta.8.rtla

 F049 var. 9, rtl Beta.9.rtla

 F04A var. 10, rtl Beta.10.rtla

 F04B var. 11, rtl Beta.11.rtla

 F04C var. 12, rtl Beta.12.rtla

 F04D var. 13, rtl Beta.13.rtla

 F04E var. 14, rtl Beta.14.rtla

 F04F var. 15, rtl Beta.15.rtla

 F050 var. 16, rtl Beta.16.rtla

 F051 var. 17, rtl Beta.17.rtla

 F052 var. 18, rtl Beta.18.rtla

 F053 var. 19, rtl Beta.19.rtla

 F054 var. 20, rtl Beta.20.rtla

 F055 var. 21, rtl Beta.21.rtla

 F056 var. 22, rtl Beta.22.rtla

 F057 var. 23, rtl Beta.23.rtla

 F058 var. 24, rtl Beta.24.rtla

Γ 0393 default Gamma

 E080 var. 1 Gamma.1

 E081 var. 2 Gamma.2

 E082 var. 3 Gamma.3

 E083 var. 4 Gamma.4

 E084 var. 5 Gamma.5

 E085 var. 6 Gamma.6

 E086 var. 7 Gamma.7

 E087 var. 8 Gamma.8

 E088 var. 9 Gamma.9

 E089 var. 10 Gamma.10

 E08A var. 11 Gamma.11

 E08B var. 12 Gamma.12

 E08C var. 13 Gamma.13

 E08D var. 14 Gamma.14

 E08E var. 15 Gamma.15

 E08F var. 16 Gamma.16

 E090 var. 17 Gamma.17

 F080 default, rtl Gamma.rtla

 F081 var. 1, rtl Gamma.1.rtla

 F082 var. 2, rtl Gamma.2.rtla

 F083 var. 3, rtl Gamma.3.rtla

 F084 var. 4, rtl Gamma.4.rtla

 F085 var. 5, rtl Gamma.5.rtla

 F086 var. 6, rtl Gamma.6.rtla

 F087 var. 7, rtl Gamma.7.rtla

 F088 var. 8, rtl Gamma.8.rtla

 F089 var. 9, rtl Gamma.9.rtla

 F08A var. 10, rtl Gamma.10.rtla

 F08B var. 11, rtl Gamma.11.rtla

 F08C var. 12, rtl Gamma.12.rtla

 F08D var. 13, rtl Gamma.13.rtla

 F08E var. 14, rtl Gamma.14.rtla

 F08F var. 15, rtl Gamma.15.rtla

 F090 var. 16, rtl Gamma.16.rtla

 F091 var. 17, rtl Gamma.17.rtla

Δ 0394 default Delta

 E0C0 var. 1 Delta.1

 E0C1 var. 2 Delta.2

 E0C2 var. 3 Delta.3

 E0C3 var. 4 Delta.4

 E0C4 var. 5 Delta.5

 E0C5 var. 6 Delta.6

 E0C6 var. 7 Delta.7

 E0C7 var. 8 Delta.8

 E0C8 var. 9 Delta.9

 F0C0 default, rtl Delta.rtla

 F0C1 var. 1, rtl Delta.1.rtla

 F0C2 var. 2, rtl Delta.2.rtla

 F0C3 var. 3, rtl Delta.3.rtla

 F0C4 var. 4, rtl Delta.4.rtla

 F0C5 var. 5, rtl Delta.5.rtla

 F0C6 var. 6, rtl Delta.6.rtla

 F0C7 var. 7, rtl Delta.7.rtla

 F0C8 var. 8, rtl Delta.8.rtla

 F0C9 var. 9, rtl Delta.9.rtla

Ε 0395 default Epsilon

 E100 var. 1 Epsilon.1

 E101 var. 2 Epsilon.2

 E102 var. 3 Epsilon.3

 E103 var. 4 Epsilon.4

 E104 var. 5 Epsilon.5

 E105 var. 6 Epsilon.6

 E106 var. 7 Epsilon.7

 E107 var. 8 Epsilon.8

 E108 var. 9 Epsilon.9

 E109 var. 10 Epsilon.10

 E10A var. 11 Epsilon.11

 E10B var. 12 Epsilon.12

 E10C var. 13 Epsilon.13

 E10D var. 14 Epsilon.14

 E10E var. 15 Epsilon.15

 E10F var. 16 Epsilon.16

 F100 default, rtl Epsilon.rtla

 F101 var. 1, rtl Epsilon.1.rtla

 F102 var. 2, rtl Epsilon.2.rtla

 F103 var. 3, rtl Epsilon.3.rtla

 F104 var. 4, rtl Epsilon.4.rtla

 F105 var. 5, rtl Epsilon.5.rtla

 F106 var. 6, rtl Epsilon.6.rtla

 F107 var. 7, rtl Epsilon.7.rtla

 F108 var. 8, rtl Epsilon.8.rtla

 F109 var. 9, rtl Epsilon.9.rtla

 F10A var. 10, rtl Epsilon.10.rtla

 F10B var. 11, rtl Epsilon.11.rtla

 F10C var. 12, rtl Epsilon.12.rtla

 F10D var. 13, rtl Epsilon.13.rtla

 F10E var. 14, rtl Epsilon.14.rtla

 F10F var. 15, rtl Epsilon.15.rtla

 F110 var. 16, rtl Epsilon.16.rtla

Ϝ 03DC default Digamma

 E140 var. 1 Digamma.1

 E141 var. 2 Digamma.2

 E142 var. 3 Digamma.3

 E143 var. 4 Digamma.4

 E144 var. 5 Digamma.5

 E145 var. 6 Digamma.6

 E146 var. 7 Digamma.7

 E147 var. 8 Digamma.8

 E148 var. 9 Digamma.9

 F140 default, rtl Digamma.rtla

 F141 var. 1, rtl Digamma.1.rtla

 F142 var. 2, rtl Digamma.2.rtla

 F143 var. 3, rtl Digamma.3.rtla

 F144 var. 4, rtl Digamma.4.rtla

 F145 var. 5, rtl Digamma.5.rtla

 F146 var. 6, rtl Digamma.6.rtla

 F147 var. 7, rtl Digamma.7.rtla

 F148 var. 8, rtl Digamma.8.rtla

 F149 var. 9, rtl Digamma.9.rtla

Ͷ 0376 default DigammaPamphylian

 F180 default, rtl DigammaPamphylian.rtla

Ζ 0396 default Zeta

 E1C0 var.1 Zeta.1

 E1C1 var.2 Zeta.2

 E1C2 var.3 Zeta.3

 F1C0 default, rtl Zeta.rtla

 F1C1 var. 1, rtl Zeta.1.rtla

 F1C2 var. 2, rtl Zeta.2.rtla

 F1C3 var. 3, rtl Zeta.3.rtla

Η 0397 default Eta

 E200 var. 1 Eta.1

 E201 var. 2 Eta.2

 E202 var. 3 Eta.3

 E203 var. 4 Eta.4

 E204 var. 5 Eta.5

 E205 var. 6 Eta.6

 E206 var. 7 Eta.7

 E207 var. 8 Eta.8

 E208 var. 9 Eta.9

 E209 var. 10 Eta.10

 E20A var. 11 Eta.11

 E20B var. 12 Eta.12

 F200 default, rtl Eta.rtla

 F201 var. 1, rtl Eta.1.rtla

 F202 var. 2, rtl Eta.2.rtla

 F203 var. 3, rtl Eta.3.rtla

 F204 var. 4, rtl Eta.4.rtla

 F205 var. 5, rtl Eta.5.rtla

 F206 var. 6, rtl Eta.6.rtla

 F207 var. 7, rtl Eta.7.rtla

 F208 var. 8, rtl Eta.8.rtla

 F209 var. 9, rtl Eta.9.rtla

 F20A var. 10, rtl Eta.10.rtla

 F20B var. 11, rtl Eta.11.rtla

 F20C var. 12, rtl Eta.12.rtla

Ͱ 0370 default Heta

 E240 var. 1 Heta.1

 E241 var. 2 Heta.2

 E242 var. 3 Heta.3

 E243 var. 4 Heta.4

 E244 var. 5 Heta.5

 E245 var. 6 Heta.6

 E246 var. 7 Heta.7

 E247 var. 8 Heta.8

 E248 var. 9 Heta.9

 E249 var. 10 Heta.10

 E24A var. 11 Heta.11

 E24B var. 12 Heta.12

 F240 default, rtl Heta.rtla

 F241 var. 1, rtl Heta.1.rtla

 F242 var. 2, rtl Heta.2.rtla

 F243 var. 3, rtl Heta.3.rtla

 F244 var. 4, rtl Heta.4.rtla

 F245 var. 5, rtl Heta.5.rtla

 F246 var. 6, rtl Heta.6.rtla

 F247 var. 7, rtl Heta.7.rtla

 F248 var. 8, rtl Heta.8.rtla

 F249 var. 9, rtl Heta.9.rtla

 F24A var. 10, rtl Heta.10.rtla

 F24B var. 11, rtl Heta.11.rtla

 F24C var. 12, rtl Heta.12.rtla

Θ 0398 default Theta

 E280 var. 1 Theta.1

 E281 var. 2 Theta.2

 E282 var. 3 Theta.3

 E283 var. 4 Theta.4

 E284 var. 5 Theta.5

 E285 var. 6 Theta.6

 E286 var. 7 Theta.7

 E287 var. 8 Theta.8

 F280 default, rtl Theta.rtla

 F281 var. 1, rtl Theta.1.rtla

 F282 var. 2, rtl Theta.2.rtla

 F283 var. 3, rtl Theta.3.rtla

 F284 var. 4, rtl Theta.4.rtla

 F285 var. 5, rtl Theta.5.rtla

 F286 var. 6, rtl Theta.6.rtla

 F287 var. 7, rtl Theta.7.rtla

 F288 var. 8, rtl Theta.8.rtla

Ι 0399 default Iota

 E2C0 var. 1 Iota.1

 E2C1 var. 2 Iota.2

 E2C2 var. 3 Iota.3

 E2C3 var. 4 Iota.4

 E2C4 var. 5 Iota.5

 E2C5 var. 6 Iota.6

 E2C6 var. 7 Iota.7

 E2C7 var. 8 Iota.8

 E2C8 var. 9 Iota.9

 E2C9 var. 10 Iota.10

 E2CA var. 11 Iota.11

 E2CB var. 12 Iota.12

 E2CC var. 13 Iota.13

 E2CD var. 14 Iota.14

 E2CE var. 15 Iota.15

 E2CF var. 16 Iota.16

 F2C0 default, rtl Iota.rtla

 F2C1 var. 1, rtl Iota.1.rtla

 F2C2 var. 2, rtl Iota.2.rtla

 F2C3 var. 3, rtl Iota.3.rtla

 F2C4 var. 4, rtl Iota.4.rtla

 F2C5 var. 5, rtl Iota.5.rtla

 F2C6 var. 6, rtl Iota.6.rtla

 F2C7 var. 7, rtl Iota.7.rtla

 F2C8 var. 8, rtl Iota.8.rtla

 F2C9 var. 9, rtl Iota.9.rtla

 F2CA var. 10, rtl Iota.10.rtla

 F2CB var. 11, rtl Iota.11.rtla

 F2CC var. 12, rtl Iota.12.rtla

 F2CD var. 13, rtl Iota.13.rtla

 F2CE var. 14, rtl Iota.14.rtla

 F2CF var. 15, rtl Iota.15.rtla

 F2D0 var. 16, rtl Iota.16.rtla

Κ 039A default Kappa

 E300 var. 1 Kappa.1

 E301 var. 2 Kappa.2

 E302 var. 3 Kappa.3

 E303 var. 4 Kappa.4

 E304 var. 5 Kappa.5

 E305 var. 6 Kappa.6

 F300 default, rtl Kappa.rtla

 F301 var. 1, rtl Kappa.1.rtla

 F302 var. 2, rtl Kappa.2.rtla

 F303 var. 3, rtl Kappa.3.rtla

 F304 var. 4, rtl Kappa.4.rtla

 F305 var. 5, rtl Kappa.5.rtla

 F306 var. 6, rtl Kappa.6.rtla

Λ 039B default Lambda

 E340 var. 1 Lambda.1

 E341 var. 2 Lambda.2

 E342 var. 3 Lambda.3

 E343 var. 4 Lambda.4

 E344 var. 5 Lambda.5

 E345 var. 6 Lambda.6

 E346 var. 7 Lambda.7

 E347 var. 8 Lambda.8

 E348 var. 9 Lambda.9

 E349 var. 10 Lambda.10

 F340 default, rtl Lambda.rtla

 F341 var. 1, rtl Lambda.1.rtla

 F342 var. 2, rtl Lambda.2.rtla

 F343 var. 3, rtl Lambda.3.rtla

 F344 var. 4, rtl Lambda.4.rtla

 F345 var. 5, rtl Lambda.5.rtla

 F346 var. 6, rtl Lambda.6.rtla

 F347 var. 7, rtl Lambda.7.rtla

 F348 var. 8, rtl Lambda.8.rtla

 F349 var. 9, rtl Lambda.9.rtla

 F34A var. 10, rtl Lambda.10.rtla

Μ 039C default Mu

 E380 var. 1 Mu.1

 E381 var. 2 Mu.2

 E382 var. 3 Mu.3

 E383 var. 4 Mu.4

 E384 var. 5 Mu.5

 E385 var. 6 Mu.6

 E386 var. 7 Mu.7

 E387 var. 8 Mu.8

 E388 var. 9 Mu.9

 F380 default, rtl Mu.rtla

 F381 var. 1, rtl Mu.1.rtla

 F382 var. 2, rtl Mu.2.rtla

 F383 var. 3, rtl Mu.3.rtla

 F384 var. 4, rtl Mu.4.rtla

 F385 var. 5, rtl Mu.5.rtla

 F386 var. 6, rtl Mu.6.rtla

 F387 var. 7, rtl Mu.7.rtla

 F388 var. 8, rtl Mu.8.rtla

 F389 var. 9, rtl Mu.9.rtla

Ν 039D default Nu

 E3C0 var. 1 Nu.1

 E3C1 var. 2 Nu.2

 E3C2 var. 3 Nu.3

 E3C3 var. 4 Nu.4

 E3C4 var. 5 Nu.5

 F3C0 default, rtl Nu.rtla

 F3C1 var. 1, rtl Nu.1.rtla

 F3C2 var. 2, rtl Nu.2.rtla

 F3C3 var. 3, rtl Nu.3.rtla

 F3C4 var. 4, rtl Nu.4.rtla

 F3C5 var. 5, rtl Nu.5.rtla

Ξ 039E default Xi

 E400 var. 1 Xi.1

 E401 var. 2 Xi.2

 E402 var. 3 Xi.3

 E403 var. 4 Xi.4

 E404 var. 5 Xi.5

 E405 var. 6 Xi.6

 E406 var. 7 Xi.7

 E407 var. 8 Xi.8

 E408 var. 9 Xi.9

 E409 var. 10 Xi.10

 E40A var. 11 Xi.11

 E40B var. 12 Xi.12

 E40C var. 13 Xi.13

 E40D var. 14 Xi.14

 E40E var. 15 Xi.15

 E40F var. 16 Xi.16

 F400 default, rtl Xi.rtla

 F401 var. 1, rtl Xi.1.rtla

 F402 var. 2, rtl Xi.2.rtla

 F403 var. 3, rtl Xi.3.rtla

 F404 var. 4, rtl Xi.4.rtla

 F405 var. 5, rtl Xi.5.rtla

 F406 var. 6, rtl Xi.6.rtla

 F407 var. 7, rtl Xi.7.rtla

 F408 var. 8, rtl Xi.8.rtla

 F409 var. 9, rtl Xi.9.rtla

 F40A var. 10, rtl Xi.10.rtla

 F40B var. 11, rtl Xi.11.rtla

 F40C var. 12, rtl Xi.12.rtla

 F40D var. 13, rtl Xi.13.rtla

 F40E var. 14, rtl Xi.14.rtla

 F40F var. 15, rtl Xi.15.rtla

 F410 var. 16, rtl Xi.16.rtla

Ο 039F default Omicron

 E440 var. 1 Omicron.1

 E441 var. 2 Omicron.2

 E442 var. 3 Omicron.3

 E443 var. 4 Omicron.4

 E444 var. 5 Omicron.5

 E445 var. 6 Omicron.6

 E446 var. 7 Omicron.7

 E447 var. 8 Omicron.8

 E448 var. 9 Omicron.9

 E449 var. 10 Omicron.10

 E44A var. 11 Omicron.11

 F440 default, rtl Omicron.rtla

 F441 var. 1, rtl Omicron.1.rtla

 F442 var. 2, rtl Omicron.2.rtla

 F443 var. 3, rtl Omicron.3.rtla

 F444 var. 4, rtl Omicron.4.rtla

 F445 var. 5, rtl Omicron.5.rtla

 F446 var. 6, rtl Omicron.6.rtla

 F447 var. 7, rtl Omicron.7.rtla

 F448 var. 8, rtl Omicron.8.rtla

 F449 var. 9, rtl Omicron.9.rtla

 F44A var. 10, rtl Omicron.10.rtla

 F44B var. 11, rtl Omicron.11.rtla

Π 03A0 default Pi

 E480 var. 1 Pi.1

 E481 var. 2 Pi.2

 E482 var. 3 Pi.3

 E483 var. 4 Pi.4

 E484 var. 5 Pi.5

 E485 var. 6 Pi.6

 E486 var. 7 Pi.7

 E487 var. 8 Pi.8

 E488 var. 9 Pi.9

 E489 var. 10 Pi.10

 E48A var. 11 Pi.11

 E48B var. 12 Pi.12

 F480 default, rtl Pi.rtla

 F481 var. 1, rtl Pi.1.rtla

 F482 var. 2, rtl Pi.2.rtla

 F483 var. 3, rtl Pi.3.rtla

 F484 var. 4, rtl Pi.4.rtla

 F485 var. 5, rtl Pi.5.rtla

 F486 var. 6, rtl Pi.6.rtla

 F487 var. 7, rtl Pi.7.rtla

 F488 var. 8, rtl Pi.8.rtla

 F489 var. 9, rtl Pi.9.rtla

 F48A var. 10, rtl Pi.10.rtla

 F48B var. 11, rtl Pi.11.rtla

 F48C var. 12, rtl Pi.12.rtla

Ϻ 03FA default San

 E4C0 var. 1 San.1

 F4C0 default, rtl San.rtla

 F4C1 var. 1, rtl San.1.rtla

Ϙ 03D8 default Koppa

 E500 var. 1 Koppa.1

 E501 var. 2 Koppa.2

 E502 var. 3 Koppa.3

 E503 var. 4 Koppa.4

 E504 var. 5 Koppa.5

 E505 var. 6 Koppa.6

 E506 var. 7 Koppa.7

 F500 default, rtl Koppa.rtla

 F501 var. 1, rtl Koppa.1.rtla

 F502 var. 2, rtl Koppa.2.rtla

 F503 var. 3, rtl Koppa.3.rtla

 F504 var. 4, rtl Koppa.4.rtla

 F505 var. 5, rtl Koppa.5.rtla

 F506 var. 6, rtl Koppa.6.rtla

 F507 var. 7, rtl Koppa.7.rtla

Ρ 03A1 default Rho

 E540 var. 1 Rho.1

 E541 var. 2 Rho.2

 E542 var. 3 Rho.3

 E543 var. 4 Rho.4

 E544 var. 5 Rho.5

 E545 var. 6 Rho.6

 E546 var. 7 Rho.7

 E547 var. 8 Rho.8

 E548 var. 9 Rho.9

 E549 var. 10 Rho.10

 E54A var. 11 Rho.11

 E54B var. 12 Rho.12

 E54C var. 13 Rho.13

 F540 default, rtl Rho.rtla

 F541 var. 1, rtl Rho.1.rtla

 F542 var. 2, rtl Rho.2.rtla

 F543 var. 3, rtl Rho.3.rtla

 F544 var. 4, rtl Rho.4.rtla

 F545 var. 5, rtl Rho.5.rtla

 F546 var. 6, rtl Rho.6.rtla

 F547 var. 7, rtl Rho.7.rtla

 F548 var. 8, rtl Rho.8.rtla

 F549 var. 9, rtl Rho.9.rtla

 F54A var. 10, rtl Rho.10.rtla

 F54B var. 11, rtl Rho.11.rtla

 F54C var. 12, rtl Rho.12.rtla

 F54D var. 13, rtl Rho.13.rtla

Σ 03A3 default Sigma

 E580 var. 1 Sigma.1

 E581 var. 2 Sigma.2

 E582 var. 3 Sigma.3

 E583 var. 4 Sigma.4

 E584 var. 5 Sigma.5

 E585 var. 6 Sigma.6

 E586 var. 7 Sigma.7

 E587 var. 8 Sigma.8

 E588 var. 9 Sigma.9

 E589 var. 10 Sigma.10

 E58A var. 11 Sigma.11

 E58B var. 12 Sigma.12

 E58C var. 13 Sigma.13

 E58D var. 14 Sigma.14

 E58E var. 15 Sigma.15

 E58F var. 16 Sigma.16

 E590 var. 17 Sigma.17

 E591 var. 18 Sigma.18

 E592 var. 19 Sigma.19

 E593 var. 20 Sigma.20

 E594 var. 21 Sigma.21

 E595 var. 22 Sigma.22

 F580 default, rtl Sigma.rtla

 F581 var. 1, rtl Sigma.1.rtla

 F582 var. 2, rtl Sigma.2.rtla

 F583 var. 3, rtl Sigma.3.rtla

 F584 var. 4, rtl Sigma.4.rtla

 F585 var. 5, rtl Sigma.5.rtla

 F586 var. 6, rtl Sigma.6.rtla

 F587 var. 7, rtl Sigma.7.rtla

 F588 var. 8, rtl Sigma.8.rtla

 F589 var. 9, rtl Sigma.9.rtla

 F58A var. 10, rtl Sigma.10.rtla

 F58B var. 11, rtl Sigma.11.rtla

 F58C var. 12, rtl Sigma.12.rtla

 F58D var. 13, rtl Sigma.13.rtla

 F58E var. 14, rtl Sigma.14.rtla

 F58F var. 15, rtl Sigma.15.rtla

 F590 var. 16, rtl Sigma.16.rtla

 F591 var. 17, rtl Sigma.17.rtla

 F592 var. 18, rtl Sigma.18.rtla

 F593 var. 19, rtl Sigma.19.rtla

 F594 var. 20, rtl Sigma.20.rtla

 F595 var. 21, rtl Sigma.21.rtla

 F596 var. 22, rtl Sigma.22.rtla

Ͳ 0372 default SampiArchaic

 E5C0 var. 1 SampiArchaic.1

 E5C1 var. 2 SampiArchaic.2

 E5C2 var. 3 SampiArchaic.3

 E5C3 var. 4 SampiArchaic.4

 F5C0 default, rtl SampiArchaic.rtla

 F5C1 var. 1, rtl SampiArchaic.1.rtla

 F5C2 var. 2, rtl SampiArchaic.2.rtla

 F5C3 var. 3, rtl SampiArchaic.3.rtla

 F5C4 var. 4, rtl SampiArchaic.4.rtla

Τ 03A4 default Tau

 E600 var. 1 Tau.1

 E601 var. 2 Tau.2

 F600 default, rtl Tau.rtla

 F601 var. 1, rtl Tau.1.rtla

 F602 var. 2, rtl Tau.2.rtla

Υ 03A5 default Upsilon

 E640 var. 1 Upsilon.1

 E641 var. 2 Upsilon.2

 E642 var. 3 Upsilon.3

 E643 var. 4 Upsilon.4

 E644 var. 5 Upsilon.5

 E645 var. 6 Upsilon.6

 E646 var. 7 Upsilon.7

 E647 var. 8 Upsilon.8

 E648 var. 9 Upsilon.9

 E649 var. 10 Upsilon.10

 F640 default, rtl Upsilon.rtla

 F641 var. 1, rtl Upsilon.1.rtla

 F642 var. 2, rtl Upsilon.2.rtla

 F643 var. 3, rtl Upsilon.3.rtla

 F644 var. 4, rtl Upsilon.4.rtla

 F645 var. 5, rtl Upsilon.5.rtla

 F646 var. 6, rtl Upsilon.6.rtla

 F647 var. 7, rtl Upsilon.7.rtla

 F648 var. 8, rtl Upsilon.8.rtla

 F649 var. 9, rtl Upsilon.9.rtla

 F64A var. 10, rtl Upsilon.10.rtla

Φ 03A6 default Phi

 E680 var. 1 Phi.1

 E681 var. 2 Phi.2

 E682 var. 3 Phi.3

 E683 var. 4 Phi.4

 E684 var. 5 Phi.5

 E685 var. 6 Phi.6

 E686 var. 7 Phi.7

 E687 var. 8 Phi.8

 E688 var. 9 Phi.9

 E689 var. 10 Phi.10

 F680 default, rtl Phi.rtla

 F681 var. 1, rtl Phi.1.rtla

 F682 var. 2, rtl Phi.2.rtla

 F683 var. 3, rtl Phi.3.rtla

 F684 var. 4, rtl Phi.4.rtla

 F685 var. 5, rtl Phi.5.rtla

 F686 var. 6, rtl Phi.6.rtla

 F687 var. 7, rtl Phi.7.rtla

 F688 var. 8, rtl Phi.8.rtla

 F689 var. 9, rtl Phi.9.rtla

 F68A var. 10, rtl Phi.10.rtla

Χ 03A7 default Chi

 E6C0 var. 1 Chi.1

 E6C1 var. 2 Chi.2

 E6C2 var. 3 Chi.3

 E6C3 var. 4 Chi.4

 E6C4 var. 5 Chi.5

 E6C5 var. 6 Chi.6

 E6C6 var. 7 Chi.7

 E6C7 var. 8 Chi.8

 E6C8 var. 9 Chi.9

 E6C9 var. 10 Chi.10

 E6CA var. 11 Chi.11

 E6CB var. 12 Chi.12

 F6C0 default, rtl Chi.rtla

 F6C1 var. 1, rtl Chi.1.rtla

 F6C2 var. 2, rtl Chi.2.rtla

 F6C3 var. 3, rtl Chi.3.rtla

 F6C4 var. 4, rtl Chi.4.rtla

 F6C5 var. 5, rtl Chi.5.rtla

 F6C6 var. 6, rtl Chi.6.rtla

 F6C7 var. 7, rtl Chi.7.rtla

 F6C8 var. 8, rtl Chi.8.rtla

 F6C9 var. 9, rtl Chi.9.rtla

 F6CA var. 10, rtl Chi.10.rtla

 F6CB var. 11, rtl Chi.11.rtla

 F6CC var. 12, rtl Chi.12.rtla

Ψ 03A8 default Psi

 E700 var. 1 Psi.1

 E701 var. 2 Psi.2

 E702 var. 3 Psi.3

 E703 var. 4 Psi.4

 E704 var. 5 Psi.5

 E705 var. 6 Psi.6

 E706 var. 7 Psi.7

 E707 var. 8 Psi.8

 E708 var. 9 Psi.9

 E709 var. 10 Psi.10

 F700 default, rtl Psi.rtla

 F701 var. 1, rtl Psi.1.rtla

 F702 var. 2, rtl Psi.2.rtla

 F703 var. 3, rtl Psi.3.rtla

 F704 var. 4, rtl Psi.4.rtla

 F705 var. 5, rtl Psi.5.rtla

 F706 var. 6, rtl Psi.6.rtla

 F707 var. 7, rtl Psi.7.rtla

 F708 var. 8, rtl Psi.8.rtla

 F709 var. 9, rtl Psi.9.rtla

 F70A var. 10, rtl Psi.10.rtla

Ω 03A9 default Omega

 E740 var. 1 Omega.1

 E741 var. 2 Omega.2

 E742 var. 3 Omega.3

 E743 var. 4 Omega.4

 E744 var. 5 Omega.5

 E745 var. 6 Omega.6

 E746 var. 7 Omega.7

 E747 var. 8 Omega.8

 E748 var. 9 Omega.9

 F740 default, rtl Omega.rtla

 F741 var. 1, rtl Omega.1.rtla

 F742 var. 2, rtl Omega.2.rtla

 F743 var. 3, rtl Omega.3.rtla

 F744 var. 4, rtl Omega.4.rtla

 F745 var. 5, rtl Omega.5.rtla

 F746 var. 6, rtl Omega.6.rtla

 F747 var. 7, rtl Omega.7.rtla

 F748 var. 8, rtl Omega.8.rtla

 F749 var. 9, rtl Omega.9.rtla

 E7C0 default uniE7C0

 E7C1 var. 1 uniE7C0.1

 F7C0 default, rtl uniE7C0.rtla

 F7C1 var. 1, rtl uniE7C0.1.rtla

# Punctuation marks etc.

**Char. hex. ProdName**

· 00B7 periodcentered

: 003A colon

⁝ 205D tricolon

⸫ 2E2B threedotup

⁞ 205E fourdotvertpunc

⸬ 2E2C fourdotsquare

 E780 fivedotvertpunc

⁙ 2059 fivedotpunct

 E781 tricolondbl

 E782 tricolondblhorz

 E783 sevendotpunc

 E784 fourdotvertpuncdbl

 E785 tricolontriple

 E786 colonopen

 E787 tricolonopen

 E788 fourdotvertpuncopen

 E789 tricolondotted

 E78A ﻿tricolontripledotted

 E78B triangles3vert

 E78C chevrondowndbl

 E78D chevrondowntriple

- 002D hyphen

‐ 2010 hyphendash

⹀ 2E40 hyphendbl

 E78E hyphendblbarred

 E78F hyphentriple

 E790 hyphentripleoblique

 E791 hyphentripleobliquedown

| 007C bar

 E792 barcolon

¦ 00A6 brokenbar

 E793 brokenbar3

 E794 slash3

 E795 backslash3

🞎 1F78E squarewhitelight

 E796 squarewhitelight2horz

▯ 25AF rectanglevert

❳ 2773 tortoisebracketornright

❩ 2769 parenornright

⧖ 29D6 hourglasspunc

⋈ 22C8 bowtiepunc

, 002C comma

; 003B semicolon

. 002E period

… 2026 ellipsis

( 0028 parenleft

) 0029 parenright

[ 005B bracketleft

] 005D bracketright

◌ 25CC BASE

◌̇ 0307 dotaccentcomb

◌̣ 0323 dotbelowcomb

◌̅ 0305 overlinecomb

◌̲ 0332 lowlinecomb

# Punctuation marks etc.: Private Use codes highlighted

The following punctuation marks need special handling in XML and HTML applications: they have no standard Unicode encoding, so they need converting to a picture in order to be rendered, either in an XML or in an HTML context. The image file format should be .svg for better readability in all circumstances.

 E780 fivedotvertpunc

 E781 tricolondbl

 E782 tricolondblhorz

 E783 sevendotpunc

 E784 fourdotvertpuncdbl

 E785 tricolontriple

 E786 colonopen

 E787 tricolonopen

 E788 fourdotvertpuncopen

 E789 tricolondotted

 E78A ﻿tricolontripledotted

 E78B triangles3vert

 E78C chevrondowndbl

 E78D chevrondowntriple

 E78E hyphendblbarred

 E78F hyphentriple

 E790 hyphentripleoblique

 E791 hyphentripleobliquedown

 E792 barcolon

 E793 brokenbar3

 E794 slash3

 E795 backslash3

 E796 squarewhitelight2horz

# *Stoikhedon* rendering

The Brill Epichoric font also features *stoikhedon* rendering of text. Applying Stylistic Set 1 (**Format → Font… → Advanced tab: Advanced Typography** section: **Stylistic sets**) evenly spaces out the characters. This does not (yet) work flawlessly.

ΕΔΟΧΣΕΝΤΟΙΔΕΜΟΙΤΟΣΕΣΑΛΑΜΙΝΑ.....

ΟΙΚΕΝΕΑΣΑΛΑΜΙΝΙ....ΛΕΝ...........

ΣΙΤΕΛΕΝΚΑΙΣΤΡΑΤΕΥΕΣΘΑΙ

1. . See now S. Minon, “Letter Forms and Distinctive Spellings. Date and Context of the ‘New Festival Calendar from Arkadia’ ” [DOI:10.1093/oso/9780198859949.003.0008], in R. Parker and P.M. Steele (eds.), *The Early Greek Alphabets.* Origin, Diffusion, Uses, Oxford 2021. [↑](#footnote-ref-1)