

# Brill Typeface Version 4.00

## for Producing PDF Files

### (Replacing v. 2.0X)

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May 17, 2021

#### Introduction to the 'Brill' v. 4.00 Upgrade

##### About this Document

This document accompanies the release version 4.00 – build 073, TrueType format – of the 'Brill' typeface family which is sent out to those service providers who produce PDF files for the Brill company and all of its subsidiaries (for both print and online applications). This is a large and significant upgrade of the 'Brill' fonts which delivers bug fixes, more characters, support for more subject areas and languages, and extended OpenType features.

You will find in these pages general information regarding the character set, some remarks on OpenType features functionality, and information on technical font formats. A more extended manual will be made available later on which will provide more details on OpenType features.

A [Complete List of Characters](#) follows the introductory pages.

In [Appendix 1](#), there is a list of the characters that were added in version 4.00.

[Appendix 2](#) provides some important Adobe InDesign notes.

##### Upgrade Summary

The upgrade from Brill typeface version 2.0X to 4.00 broadly speaking entails the following:

1. Extension of the character set, resulting in a much larger glyph set (from over 5,100 to over 6,000 glyphs per font, an increase of 18%)
2. Refinement and extension of OpenType features
3. Change of font format from CFF-Flavored OpenType to TrueType.

##### The Brill Typeface Version 4.00 Upgrade in More Detail

###### 1.1.

The majority of Latin and phonetic characters which have been incorporated in the Unicode Standard since 2012 have been added to the 'Brill' fonts. Not included: characters whose use is limited to extremely specialized dialectology atlases, because such characters are not expected to occur in Brill publications.

So the Latin script as defined in the Unicode Standard is not covered in its entirety by the Brill fonts, but they come very close.

## 1.2.

A few punctuation marks were added, such as the ‘punctus elevatus’ (medieval studies); and a few spacing modifier letters, such as the Chinantec tone marks.

## 1.3.

The set of symbols was greatly extended in order to provide fuller support for theoretical linguistics and philosophical logic.

## 1.4.

Expansion of Old Cyrillic support, specifically to render Old Russian texts. This expansion does not aim at rendering Old Slavonic, although there is some overlap. But Old Slavonic would require a wholly different type style.

## 1.5.

Addition of Cyrillic characters to support Turkic Cyrillic orthographies.

(The ‘Brill’ Cyrillic character set has become much more extensive in 2021, but it still does not support Iranian, many Caucasian and Siberian orthographies. Should Brill’s list expand to cover these, the ‘Brill’ Cyrillic support might be enhanced at a future date.)

## 2.1.

Addition of many OpenType superiors and inferiors. These bring improvements to linguistic text and to transliterations of cuneiform.

## 2.2.

Workaround for a serious bug in Adobe InDesign which has impacted the use of combining characters in earlier versions of the Brill fonts for ten years. When the base character is a precomposed character (such as ā, U+0101) and one or more combining characters are added (such as ́, U+0301), the OpenType ccmp instructions are ignored by InDesign. This means that the precomposed character is not first decomposed, and as a result, the combining character would intersect the diacritic of the precomposed character instead of being positioned above it. In ‘Brill’ v. 4.00, this does not happen anymore through the addition of extra OpenType code.

## 2.3.

More ‘locl’ OpenType language features. Specialised typographic support is now available for Albanian (in the Greek script), Catalan, Chinantec, Dutch, IPA Phonetics, Lithuanian, Macedonian (Cyrillic), Moldavian, Romanian, Serbian (Cyrillic), Turkish. Applications such as Adobe InDesign may support a subset of these language features.

## 3.

Change of font format from CFF-Flavored OpenType to TrueType: previous versions of the ‘Brill’ fonts embedded in PDF files were of the CFF-Flavored OpenType variety, which overall was rendered slightly better at low resolutions than the TrueType variety. (TrueType was previously made available to all non-commercial users because a significant section – MS Windows PC users – benefited from better readability on-screen of TrueType ‘Brill’ text; Mac users did not notice any difference.)

Low-resolution Print-On-Demand tests of the 'Brill' fonts v. 4.00 showed that the TrueType version has a very slight edge over the CFF-Flavored OpenType version in a few important scenarios involving bold type (Greek text in Print-On-Demand production; rendering of serifs of Brill Roman), and this tipped the balance in favor of TrueType. The CFF-Flavored OpenType version remains available on demand in case it performs better than TrueType in other environments.

## Complete List of Characters

### Latin

Hex.	char.	Notes
0061	a	
	<i>a</i>	instead of <i>a</i> : apply Stylistic Set 20 (as well as the italic font)
00AA	<sup>a</sup>	feminine ordinal; do not confuse with <sup>a</sup> , 1D43, modifier letter small a
1D43	<sup>a</sup>	modifier letter small a; linguistic use; do not confuse with <sup>a</sup> , 00AA, feminine ordinal
1D2C	<sup>A</sup>	modifier letter capital A; linguistic use
1D00	<sup>A</sup>	small capital a; linguistic use only
2090	<sub>a</sub>	subscript lowercase a
0363	◌ <sup>a</sup>	combining small letter a
0250	ɐ	IPA open-mid schwa; uppercase is V, 2C6F
1D44	ɐ̃	modifier letter small turned a; linguistic use
0251	ɑ	IPA open back unrounded; uppercase is ɒ, 2C6D
1D45	ᵶ	modifier letter small alpha; linguistic use
0252	ɒ	IPA open back rounded; uppercase is D, 2C70
AB64	ɑ̮	Latin small letter inverted alpha; Americanist phonetic notation
1D9B	ᵶ	modifier letter small turned alpha; superscript; linguistic use only
1D51E	ⱥ	Fraktur (black letter) lowercase a; used as a symbol only
249C	(a)	parenthesized Latin lowercase a; used as a symbol only
24D0	Ⓐ	circled Latin lowercase a; used as a symbol only
0040	@	commercial at, at sign
1D2D	Æ	modifier letter capital Æ; linguistic use
1D46	æ̃	modifier letter small turned æ; linguistic use
00E1	á	
00E0	à	
00E2	â	
00E4	ä	
00E3	ã	
0101	ā	
0103	ǎ	
01CE	ǎ̃	
00E5	å	
0201	à̃	
0203	ẫ	
0227	á̃	
1E9A	ʾ	no uppercase; see also ʾ, Latin small letter glottal a, A7BB, used in Ugaritic transcription

1EA3	ǎ	see also ǎ, Latin small letter glottal a, A7BB, used in Ugaritic transcription
A7BB	ǎ	Latin small letter glottal a; used to transcribe the Ugaritic cuneiform letter 𐎗; uppercase is ʾA, A7BA
2C65	ǎ	
0105	ǎ	
1EA1	ǎ	
1E01	ǎ	
1D8F	ǎ	lowercase a with retroflex hook
1D90	ǎ	lowercase Latin alpha with retroflex hook
1EA5	ǎ	
1EA7	ǎ	
1EAB	ǎ	
1EA9	ǎ	
1EAF	ǎ	
1EB1	ǎ	
1EB5	ǎ	
1EB3	ǎ	
01DF	ǎ	
01FB	ǎ	
01E1	ǎ	
1EAD	ǎ	
1EB7	ǎ	
A733	ǎ	lowercase aa; medievalist use
00E6	ǎ	IPA raised open front unrounded
1D01	ǎ	small capital æ; linguistic use only
1D02	ǎ	small letter turned æ
1DD4	ǎ	combining small letter æ
01FD	ǎ	
01E3	ǎ	
A735	ǎ	lowercase ao; medievalist use
1DD5	ǎ	combining small letter ao
A737	ǎ	lowercase au; medievalist use
A739	ǎ	lowercase av; medievalist use
1DD6	ǎ	combining small letter av
A73B	ǎ	lowercase av with horizontal bar; medievalist use
A73D	ǎ	lowercase ay; medievalist use
0041	ǎ	
2C6F	ǎ	lowercase is v, 0250
2C6D	ǎ	lowercase is a, 0251
2C70	ǎ	lowercase is d, 0252

1D504	Œ	Fraktur (black letter) uppercase A; used as a symbol only
24B6	Ⓐ	circled Latin uppercase A; used as a symbol only
00C1	Á	
00C0	À	
00C2	Â	
00C4	Ä	
00C3	Ã	
0100	Ā	
0102	Ă	
01CD	Ǻ	
00C5	Å	
212B	Å	Ångström sign; preferred encoding is Å, 00C5
0200	Ä	
0202	Â	
0226	À	
1EA2	Ǻ	see also ʾA, Latin capital letter glottal A, A7BA, used in Ugaritic transcription
A7BA	ʾA	Latin capital letter glottal A; used to transcribe the Ugaritic cuneiform letter 𐎗; lowercase is ʾa, A7BB
023A	Ȧ	
0104	Ȧ	
1EA0	Ȧ	
1E00	Ȧ	
1EA4	Ǻ	
1EA6	Ǻ	
1EAA	Ǻ	
1EA8	Ǻ	
01DE	Ā	
1EAE	Ǻ	
1EB0	Ǻ	
1EB4	Ǻ	
1EB2	Ǻ	
01FA	Ǻ	
01E0	Ā	
1EAC	Ǻ	
1EB6	Ǻ	
A732	Ⓐ	uppercase AA; medievalist use
00C6	Æ	see also Æ, modifier letter capital Æ, 1D2D
01FC	Æ	
01E2	Æ	
A734	Ⓐ	uppercase AO; medievalist use

A736	AU	uppercase AU; medievalist use
A738	AV	uppercase AV; medievalist use
A73A	AV	uppercase AV with horizontal bar; medievalist use
A73C	AY	uppercase AY; medievalist use
0062	b	
1D47	b	modifier letter small b; linguistic use
1D2E	B	modifier letter capital B; linguistic use
0299	B	small capital; linguistic use only: IPA voiced bilabial trill
1D03	B	small capital barred b; linguistic use only
1D2F	B	modifier letter capital barred B; linguistic use
A7B5	β	Latin small letter beta: IPA voiced bilabial fricative; also used in Gabonese orthographies; uppercase is Β, A7B4; formerly, lowercase Greek beta, 03B2, was given a 'Latin' shape by applying Stylistic Set 20: β; but A7B5 is now the preferred character
1D5D	β	modifier letter small beta; linguistic use
1D66	β	Greek subscript small letter beta; linguistic use
1D51F	b	Fraktur (black letter) lowercase b; used as a symbol only
249D	(b)	parenthesized Latin lowercase b; used as a symbol only
24D1	ⓑ	circled Latin lowercase b; used as a symbol only
1E03	ḃ	
0253	ḃ	IPA voiced bilabial implosive; uppercase is Ḃ, 0181
0183	Ḃ	uppercase is Ḃ, 0182
0180	ḃ	uppercase is Ḃ, 0243
1D6C	Ḅ	small letter b with middle tilde
1E05	ḅ	
1E07	ḅ	
1D80	ḅ	lowercase b with palatal hook
A797	ḅ	used in rendering Middle Vietnamese; uppercase is Ḇ, A796
0185	ḃ	uppercase is Ḃ, 0184
0042	B	
A7B4	Β	Latin capital letter Beta; lowercase is β, A7B5; used in Gabonese orthographies;
1D505	Ḃ	Fraktur (black letter) uppercase B; used as a symbol only
24B7	ⓑ	circled Latin uppercase B; used as a symbol only
1E02	Ḃ	
0181	Ḃ	lowercase is ḃ, 0253
0182	Ḃ	lowercase is ḃ, 0183
0243	Ḃ	lowercase is ḃ, 0180
1E04	Ḃ	
1E06	Ḃ	

A796	Ⓑ	used in rendering Middle Vietnamese; lowercase is Ⓑ, A797
0184	ⓑ	lowercase is ⓑ, 0185
0063	Ⓒ	
1D9C	ᶜ	modifier letter lowercase c; superscript; linguistic use only
1D04	ᶘ	small capital; linguistic use only
00A9	©	copyright sign; do not confuse with ©, 24B8, circled Latin uppercase C
0368	◌̣	combining small letter c
0254	ɔ	open o = IPA open-mid back rounded; typographically a turned c; uppercase is ɔ, 0186
1D10	ɔ̘	small capital open o: typographically a turned c; linguistic use only
A73F	ᶘ	lowercase reversed c with dot; medievalist use
1D97	ɔ̣	lowercase open o with retroflex hook
0297	ᶜ	stretched c: formerly the IPA postalveolar click; see also †, 01C2, and †, 01C3
1D520	Ⓒ	Fraktur (black letter) lowercase c; used as a symbol only
249E	(c)	parenthesized Latin lowercase c; used as a symbol only
24D2	©	circled Latin lowercase c; used as a symbol only
0107	ć	
0109	ĉ	
010D	č	
010B	ċ	
0188	ċ	
023C	Ⓒ	lowercase c with stroke; linguistic use; do not confuse with Ⓒ, 00A2, cent sign
00A2	¢	cent sign; do not confuse with Ⓒ, 023C, lowercase c with stroke
A793	Ⓒ	Latin small letter c with bar; linguistic use; uppercase is Ⓒ, A792, scientific Cambrian symbol; do not confuse with Ⓒ, 0454, Cyrillic small letter Ukrainian ie
00E7	ç	lowercase c with cedilla; IPA voiceless palatal fricative
1DD7	◌̣̣	combining small letter c cedilla
0255	ç	IPA voiceless alveolopalatal fricative; no uppercase
1D9D	ᶜ	modifier letter lowercase c with curl; superscript; linguistic use only
A794	ç	Latin small letter c with palatal hook; used in Lithuanian dialectology; uppercase is Ç, A7C4
1E09	ć	
0043	Ⓒ	
0186	ɔ̘	open o: typographically a turned C; lowercase is ɔ, 0254
A73E	ᶘ	uppercase reversed C with dot; medievalist use
212D	Ⓒ	Fraktur (black letter) uppercase C; used as a symbol only
24B8	©	circled Latin uppercase C; used as a symbol only; compare ©, 00A9, copyright sign, with which it should not be confused
0106	Ć	
0108	Ĉ	
010C	Č	



010A	Ĉ	
0187	Č	
023B	Ā	
A792	Ċ	Latin capital letter C with bar; scientific Cambrian symbol; lowercase is c, A793, which has linguistic applications; do not confuse with Ć, 0404, Cyrillic capital letter Ukrainian IE
00C7	Ç	
A7C4	Ĉ	Latin capital letter C with palatal hook; used in early Pinyin romanization; lowercase is ç, A794
1E08	Ć	
0064	d	
1D48	<sup>ˆ</sup> d	modifier letter small d; linguistic use
1D30	<sup>ˆ</sup> D	modifier letter capital D; linguistic use
1D05	Ḑ	small capital; linguistic use only
0369	ḏ	combining small letter d
1DD8	Ḑ̣	combining small letter insular d
1E9F	δ	Latin small letter delta
1D5F	ḏ	modifier letter small delta; linguistic use
018D	Ϸ	Latin small letter turned delta
00F0	ð	lowercase eth; IPA voiced dental fricative
1D06	Ḑ	small capital eth; linguistic use only
1D9E	ḏ	modifier letter small eth; superscript; linguistic use only
1DD9	Ḑ̣	combining small letter eth
1D521	ḏ	Fraktur (black letter) lowercase d; used as a symbol only
249F	(d)	parenthesized Latin lowercase d; used as a symbol only
24D3	Ⓣ	circled Latin lowercase d; used as a symbol only
010F	Ḑ	uppercase is Ḑ̣, 010E
0111	Ḑ̣	uppercase is Ḑ, 0110; compare uppercase eth: Ḑ, 00D0; and African D: Ḑ, 0189
1D6D	Ḑ̣	small letter d with middle tilde
1E0B	Ḑ̣	
0257	Ḑ̣	IPA voiced alveolar implosive; uppercase is Ḑ̣, 018A
1D91	Ḑ̣	lowercase d with hook and tail
018C	Ḑ̣	d with topbar; uppercase is Ḑ̣, 018B
A771	Ḑ̣	lowercase abbreviation dum
1E0D	Ḑ̣	
1E0F	Ḑ̣	
1E11	Ḑ̣	
1E13	Ḑ̣	
0256	Ḑ̣	African D, uppercase is Ḑ, 0189; IPA voiced retroflex plosive; compare uppercase eth: Ḑ, 00D0; and Ḑ, 0110, uppercase from Ḑ̣, 0111

0221	ɖ	no uppercase
1D81	ɗ	lowercase d with palatal hook
0238	ɔ	db digraph; no uppercase
02A3	ɔz	dz digraph; no uppercase
02A5	ɔẓ	dz digraph with curl; no uppercase
AB66	ɔɹ	Latin small letter dz digraph with retroflex hook; no uppercase; used in Sinological and Tibetanist transcriptions
02A4	ɖʒ	dezh digraph; IPA voiced postalveolar affricate; no uppercase
01F3	Dz	with initial cap Dz, 01F2; all-uppercase is DZ, 01F1
01C6	Dž	with initial cap Dž, 01C5; all-uppercase is DŽ, 01C4
0044	D	
1D507	Ꮘ	Fraktur (black letter) uppercase D; used as a symbol only
24B9	Ⓣ	circled Latin uppercase D; used as a symbol only
010E	Đ	lowercase is đ, 010F
1E0A	Ḑ	
018A	Ḑ	lowercase is đ, 0257
018B	Ḑ̄	D with topbar; lowercase is đ, 018C
00D0	Ð	uppercase eth, lowercase is ð, 00F0; compare uppercase Ð from đ, 0110; and African D, Ð, 0189
0110	Ḑ	lowercase is đ, 0111; compare uppercase eth: Ð, 00D0; and African D, Ð, 0189
0189	Ḑ	lowercase is đ, 0256; African D; compare uppercase Ð from đ, 0110; and uppercase eth: Ð, 00D0
1E0C	Ḑ̇	
1E0E	Ḑ̈	
1E10	Ḑ̊	
1E12	Ḑ̋	
01F2	Dz	with initial cap; all-uppercase is DZ, 01F1; lowercase is dz, 01F3
01F1	DZ	all-uppercase; with initial cap Dz, 01F2; lowercase is dz, 01F3
01C5	Dž	with initial cap; all-uppercase is DŽ, 01C4; lowercase is dž, 01C6
01C4	DŽ	all-uppercase; with initial cap Dž, 01C5; lowercase is dž, 01C6
0065	e	
1D49	ᵉ	modifier letter small e; linguistic use
1D31	ᵉ	modifier letter capital E; linguistic use
1D07	ᵉ	small capital; linguistic use only
2091	ₑ	subscript lowercase e
0364	◌̣	combining small letter e
01DD	ə	pan-Nigerian alphabet; uppercase is Ə, 018E; compare Azerbaijani and linguistic ə, 0259 and its uppercase Ə, 018F
0259	ə	Azerbaijani, and linguistic use (IPA) for šwa; uppercase is Ə, 018F; compare Pan-Nigerian ə, 01DD and its uppercase Ə, 018E

1D4A	ə	modifier letter small schwa; linguistic use
1D32	ɛ̃	modifier letter capital reversed E; linguistic use
2094	ə̣	subscript lowercase šwa
025A	ɛ̣̥	šwa with hook; IPA rhotacized šwa; no uppercase
1D95	ɛ̣̥̚	lowercase šwa with retroflex hook
0258	ɛ̣̥̚	reversed e; IPA close-mid šwa; no uppercase
025B	ɛ̣̥̚	Latin lowercase open e = Latin epsilon; IPA open-mid front unrounded; linguistic use only, not for Greek text; uppercase is Ε, 0190
1D4B	ɛ̣̥̚	modifier letter small open e; linguistic use
1D93	ɛ̣̥̚̚	lowercase open e with retroflex hook
025C	ɜ̣̥̚	reversed open e; IPA open-mid central; uppercase is Ɯ, A7AB
1D9F	ɜ̣̥̚̚	modifier letter small reversed open e; superscript; linguistic use only
1D08	ɜ̣̥̚̚	small letter turned open e
1D4C	ɜ̣̥̚̚	modifier letter small turned open e; linguistic use
1D94	ɜ̣̥̚̚̚	lowercase reversed open e with retroflex hook
025D	ɜ̣̥̚̚̚	reversed open e with hook; IPA rhotacized open-mid central; no uppercase
025E	ɜ̣̥̚̚̚̚	closed reversed open e; IPA open-mid central rounded; no uppercase
029A	ɜ̣̥̚̚̚̚	closed open e = closed epsilon; no uppercase
1D522	ɛ̣̥̚̚̚̚̚	Fraktur (black letter) lowercase e; used as a symbol only
24A0	(e)	parenthesized Latin lowercase e; used as a symbol only
24D4	ⓔ	circled Latin lowercase e; used as a symbol only
00E9	é	
00E8	è	
00EA	ê	
00EB	ë	
1EBD	ě	
0113	ē	
0115	ě̇	
011B	ě̇	
0205	è̇	
0207	ê̇	
0117	é̇	
1EBB	ě̇	
2C78	e	UPA lowercase e with notch
0247	ɸ	
0119	ɸ̇	
1EB9	ɸ̇	
0229	ɸ̇	
1E19	ɸ̇	
1E1B	ɸ̇	

1D92	ɷ	lowercase e with retroflex hook
1EBF	é	
1EC1	è	
1EC5	ẽ	
1EC3	ẽ	
1EC7	ê	
1E17	é	
1E15	è	
1E1D	ě	
0045	E	
018E	Ɛ	Pan-Nigerian alphabet; lowercase is ə, 01DD; compare Azerbaijani and linguistic Ə, 018F and its lowercase ə, 0259
018F	Ə	Azerbaijani, and linguistic use, şwa; lowercase is ə, 0259; compare Pan-Nigerian Ɛ, 018E and its lowercase ə, 01DD
1D508	Ɔ	Fraktur (black letter) uppercase E; used as a symbol only
24BA	ⓔ	circled Latin uppercase E; used as a symbol only
0190	Ɛ	linguistic use only, not for Greek text; lowercase is ε, 025B
A7AB	Ǝ	Latin capital letter reversed open E; lowercase is ɷ, 025C
20AC	€	Euro sign
212E	ⓔ	estimated symbol, used in European packaging
00C9	É	
00C8	È	
00CA	Ê	
00CB	Ë	
1EBC	Ê	
0112	Ě	
0114	Ě	
011A	Ě	
0204	Ë	
0206	Ê	
0116	É	
1EBA	Ê	
0246	Ɔ	
0118	Ɔ	
1EB8	Ɔ	
0228	Ɔ	
1E18	Ɔ	
1E1A	Ɔ	
1EBE	Ě	
1EC0	Ë	

1EC4	Ê	
1EC2	Ë	
1EC6	Ë̇	
1E16	Ë̇̇	
1E14	Ë̇̈	
1E1C	Ë̇̈̈	
0066	f	
	<i>f</i>	instead of <i>f</i> : apply Stylistic Set 20 (as well as the italic font)
A799	f	Latin small letter f with stroke; used in Old Ewe orthography and in German dialectology; uppercase is F, A798
A730	F	small capital f; medievalist use
03DD	Ɔ	lowercase Greek wau (or digamma)
214E	Ɔ	Claudian turned lowercase f; uppercase is Ɔ, 2132
1DA0	f	modifier letter small f; superscript; linguistic use only
0192	f	lowercase f with hook; Dutch florin (guilder); uppercase is F, 0191; do not confuse with lowercase abbreviation is, Ɔ, A76D, or with lowercase dotless j with stroke and hook, Ɔ, 0284
025F	j	turned f, used as Latin small letter dotless j with stroke; IPA voiced palatal plosive; no uppercase
1DA1	Ɔ	modifier letter small dotless j with stroke; superscript; linguistic use only
0278	ϕ	Latin small letter phi; IPA voiceless bilabial fricative; not the same as Greek ϕ, 03C6; not phi symbol, ϕ, 03D5; no uppercase
1DB2	ϕ	modifier letter small phi; superscript; linguistic use only
1D60	ϕ	modifier letter small Greek phi; linguistic use
1D69	ϕ	Greek subscript small letter phi; linguistic use
2C77	ϕ	UPA lowercase tailless phi
1D523	f	Fraktur (black letter) lowercase f; used as a symbol only
24A1	(f)	parenthesized Latin lowercase f; used as a symbol only
24D5	ⓕ	circled Latin lowercase f; used as a symbol only
1E1F	ƒ	
1D6E	ƒ	small letter f with middle tilde
1D82	ƒ	lowercase f with palatal hook
FB00	ff	lowercase ligature ff; do not use: this character is only present for legacy purposes
FB03	ffi	lowercase ligature ffi; do not use: this character is only present for legacy purposes
FB04	ffl	lowercase ligature ffl; do not use: this character is only present for legacy purposes
FB01	fi	lowercase ligature fi; do not use: this character is only present for legacy purposes
FB02	fl	lowercase ligature fl; do not use: this character is only present for legacy purposes
02A9	fj	feng digraph; no uppercase
0046	F	compare, but do not confuse with, F, 03DC, uppercase Greek Wau (or Digamma)
A798	F	Latin capital letter F with stroke; used in Old Ewe orthography; lowercase is f, A799

A7FB	Ɔ	epigraphic reversed F
2132	Ɔ	Claudian turned uppercase F; Claudian digamma inversum; lowercase is ɹ, 214E
1D509	Ɔ	Fraktur (black letter) uppercase F; used as a symbol only
24BB	ⓕ	circled Latin uppercase F; used as a symbol only
1E1E	Ɔ	
0191	F	lowercase is f, 0192
0067	g	
	g	instead of <i>g</i> : apply Stylistic Set 20 (as well as the italic font)
1D4D	ɢ	modifier letter small g; linguistic use
1DDA	ḡ	combining small letter g
1D33	G	modifier letter capital G; linguistic use
0262	ɠ	small capital g; IPA voiced uvular plosive; for linguistic use only
1DDB	Ḡ	combining letter small capital g
0261	ɡ	script g; IPA voiced velar plosive; uppercase is Ǫ, A7AC
1DA2	ɣ	modifier letter small script g; superscript; linguistic use only
1D79	ɢ	Latin small letter insular g
1D77	ɢ	small letter turned g
0263	ɣ	linguistic use only, not for Greek text; IPA voiced velar fricative; uppercase is Ǫ, 0194; compare ɣ, 02E0, and ɣ, 0264
02E0	ɣ	modifier letter small gamma; IPA velarized; occasionally used in transcription of affricates; compare ɣ, 1D5E; ɣ, 0263; and ɣ, 0264
0264	ɣ	rams horn = baby gamma; IPA close-mid back unrounded; no uppercase
1D5E	ɣ	modifier letter small Greek gamma; linguistic use; compare ɣ, 02E0, modifier letter small gamma
1D67	ɣ	Greek subscript small letter gamma; linguistic use
1D26	ɣ	Greek letter small capital gamma; not for Greek text, linguistic use only
1D524	g	Fraktur (black letter) lowercase g; used as a symbol only
24A2	(g)	parenthesized Latin lowercase g; used as a symbol only
24D6	ⓖ	circled Latin lowercase g; used as a symbol only
01F5	ḡ	
011D	ḡ	
1E21	ḡ	
011F	ḡ	
01E7	ḡ	
0121	ḡ	
0123	ḡ	uppercase is Ǫ, 0122
0260	ɠ	IPA voiced velar implosive; uppercase is Ǫ, 0193
029B	Ǫ	small capital g with hook; IPA voiced uvular implosive; linguistic use only
01E5	g	
1D83	Ǫ	lowercase g with palatal hook

0047	G	
A7AC	Œ	Latin capital letter script G; lowercase is g, 0261
0194	Ϝ	linguistic use only, not for Greek text; lowercase is ϝ, 0263
1D50A	ⓐ	Fraktur (black letter) uppercase G; used as a symbol only
24BC	Ⓒ	circled Latin uppercase G; used as a symbol only
01F4	Ĝ	
011C	Ĥ	
1E20	Ġ	
011E	Ǧ	
01E6	Ǩ	
0120	Ḡ	
0193	Ḟ	lowercase is ḟ, 0260
01E4	Ḣ	
0122	Ḣ	lowercase is ḣ, 0123
0068	h	do not confuse with Cyrillic h, 04BB
0265	ɥ	IPA labial-palatal approximant; uppercase is ɮ, A78D
02B0	ᵷ	modifier letter small h; superscript; IPA aspirated
036A	ᵹ	combining small letter h
1DA3	ɥ	modifier letter small turned h; superscript; linguistic use only
02AE	ɥ	turned h with fishhook; no uppercase
02AF	ɥ	turned h with fishhook and tail; no uppercase
1D34	Ҁ	modifier letter capital H; linguistic use; do not confuse with ҂, modifier letter Cyrillic en, 1D78
A7F8	Ҁ	modifier letter capital H with stroke; faucalized; extended IPA; compare ҂, 0126, ҂, 1D34, and ҂, 029C
029C	Ҁ	small capital h; IPA voiceless epiglottal fricative; linguistic use only
2C76	ɱ	Claudian lowercase half h
1D525	ⓐ	Fraktur (black letter) lowercase h; used as a symbol only
24A3	(h)	parenthesized Latin lowercase h; used as a symbol only
24D7	ⓐ	circled Latin lowercase h; used as a symbol only
0125	ĥ	
1E27	ĥ	
021F	ħ	
1E23	ħ	
0127	ħ	IPA voiceless pharyngeal fricative; do not confuse with Cyrillic ħ, 045B
0266	fi	h with hook; IPA voiced glottal fricative; also used in African orthographies (Chad); uppercase is ʰ, A7AA
02B1	fi	modifier letter small h with hook; superscript; IPA breathy-voice-aspirated
0267	ɸ	heng with hook; IPA voiceless multi-place fricative; no uppercase
A727	h̆	lowercase heng; Mayanist use; do not confuse with h̆, A795, h with palatal hook

1E25	ħ	
1E29	ḥ	
2C68	h	lowercase h with descender (for Uighur); do not confuse with Cyrillic h 0527
1E2B	ḥ	
1E96	ḥ̄	no precomposed uppercase (for Ĥ, use a combination of H and ◌̄, 0331, combining macron below)
A795	ḥ	Latin small letter h with palatal hook; used in Lithuanian dialectology; do not confuse with ħ, A727, lowercase heng; no uppercase
0195	ħ	uppercase is Ĥ, 01F6
0048	H	
A78D	Ч	lowercase is ч, 0265
2C75	Ɔ	Claudian uppercase half H
210C	Œ	Fraktur (black letter) uppercase H; used as a symbol only
24BD	Ⓜ	circled Latin uppercase H; used as a symbol only
0124	Ĥ	
1E26	Ĥ	
021E	Ĥ	
1E22	Ĥ	
0126	Ĥ	compare Ĥ, A7F8
A7AA	Ĥ	Latin capital letter h with hook; used in African orthographies (Chad); lowercase is ĥ, 0266
A726	Ĥ	uppercase Heng; Mayanist use
1E24	Ĥ	
1E28	Ḥ	
2C67	Ḥ	uppercase H with descender (for Uighur)
1E2A	Ḥ	
01F6	ħ	lowercase is ĥ, 0195
0069	ı	compare uppercase İ, 0130, for Turkish etc.
2071	ı̇	superscript lowercase i (modifier); linguistic use only
0365	◌̇	combining small letter i
1D62	ı̇	Latin subscript small letter i; linguistic use
1D35	İ	modifier letter capital I; linguistic use
026A	ɪ	small cap; IPA lax close front unrounded; uppercase is I, 0197, according to ISO 6438: African coded character set for bibliographic information interchange; compare also the uppercase I, A7AE, as used in Gabonese orthographies
1DA6	ɪ̇	modifier letter small capital i; superscript; linguistic use only
1D7B	ɪ̂	small capital letter i with stroke; linguistic use only
1DA7	ɪ̂	modifier letter small capital i with stroke; superscript; linguistic use only
1D09	ı̂	small letter turned i
1D4E	ı̂	modifier letter small turned i; linguistic use





00CC	İ	
00CE	Î	
00CF	Ï	
0128	Ĩ	
012A	Ī	
012C	Ï	
01CF	Ï	
0208	İ̇	
020A	Î	
1EC8	İ̇	see also ˆI, Latin capital letter glottal I, A7BC, used in Ugaritic transcription and to represent Egyptological yod
A7BC	ˆI	Latin capital letter glottal I; used to transcribe the Ugaritic cuneiform letter 𐎗. It also represents Egyptological yod (usually in the italic form), which was formerly available only as a combination of uppercase I plus a combining diacritic (in the Brill fonts: I+◌̇[0486]=ˆI; which continues to be supported); lowercase is ı̇, A7BD
0197	İ̇	barred i; lowercase is ı̇, 0268; alternatively, lowercase is small cap ı̇, 026A, according to ISO 6438: African coded character set for bibliographic information interchange
012E	İ̇	
1ECA	İ̇	
1E2C	İ̇	
1E2E	İ̇	
006A	j	
02B2	j̇	modifier letter small j; superscript; IPA palatalized
1D36	J̇	modifier letter capital J; linguistic use
1D0A	J̇	small capital; linguistic use only
1D527	j̇	Fraktur (black letter) lowercase j; used as a symbol only
0237	J̇	small dotless j
24A5	(j)	parenthesized Latin lowercase j; used as a symbol only
24D9	⓵	circled Latin lowercase j; used as a symbol only
0135	Ĵ	
01Fo	Ĵ̇	no uppercase: for that, use J plus combining caron ̇, 030C
0249	Ĵ	uppercase is Ĵ, 0248
025F	ĵ	turned f, used as Latin small letter dotless j with stroke; IPA voiced palatal plosive; no uppercase
1DA1	Ĵ̇	modifier letter small dotless j with stroke; superscript; linguistic use only
0284	ƒ	dotless j with stroke and hook; IPA voiced palatal implosive; typographically based on ĵ, 025F, not on ƒ, 0283; no uppercase; do not confuse with lowercase f with hook, ƒ, 0192, or lowercase abbreviation is, ƒ, A76D
029D	ĵ	ĵ with crossed-tail; IPA voiced palatal fricative; also used in African orthographies; uppercase is J, A7B2

1DA8	ǰ	modifier letter small j with crossed-tail; superscript; linguistic use only
004A	J	
1D50D	Ŷ	Fraktur (black letter) uppercase J; used as a symbol only
24BF	Ⓝ	circled Latin uppercase J; used as a symbol only
0134	Ĵ	
0248	Ƶ	lowercase is j, 0249
A7B2	Ƶ	Latin capital letter J with crossed tail; African orthographies; lowercase is j, 029D
006B	k	
1D4F	ƶ	modifier letter small k; linguistic use
1D37	Ʒ	modifier letter capital K; linguistic use
1D0B	ƶ	small capital; linguistic use only
0138	ƶ	Greenlandic kra; no uppercase
1DDC	◌̣	combining small letter k
029E	ƶ	turned k; uppercase is A7B0
1D528	ƶ	Fraktur (black letter) lowercase k; used as a symbol only
24A6	(k)	parenthesized Latin lowercase k; used as a symbol only
24DA	Ⓚ	circled Latin lowercase k; used as a symbol only
1E31	ƶ	
01E9	ƶ	
0199	ƶ	uppercase is K, 0198
A741	ƶ	lowercase k with stroke; medievalist use; uppercase is K, A740
A745	ƶ	lowercase k with stroke and diagonal stroke; medievalist use; uppercase is K, A744
A743	ƶ	lowercase k with diagonal stroke; medievalist use; uppercase is K, A742
1E33	ƶ	
1E35	ƶ	
0137	ƶ	
1D84	ƶ	lowercase k with palatal hook
2C6A	ƶ	lowercase k with descender (for Uighur)
004B	K	
A7B0	ƶ	Latin capital letter turned K; lowercase is ƶ, 029E; used in Americanist orthographies
1D50E	Ŷ	Fraktur (black letter) uppercase K; used as a symbol only
24C0	Ⓚ	circled Latin uppercase K; used as a symbol only
1E30	ƶ	
01E8	ƶ	
0198	K	lowercase is ƶ, 0199
A740	ƶ	uppercase K with stroke; medievalist use; lowercase is ƶ, A741
A744	ƶ	uppercase K with stroke and diagonal stroke; medievalist use; lowercase is ƶ, A745
A742	ƶ	uppercase K with diagonal stroke; medievalist use; lowercase is ƶ, A743
1E32	ƶ	
1E34	ƶ	

0136	Ƙ	
2C69	Ƙ	uppercase K with descender (for Uighur)
006C	l	
1DDD	◌̩	combining small letter l
1D38	ˆL	modifier letter capital L; linguistic use
029F	ˆl	small capital l; IPA voiced velar lateral; linguistic use only
1DAB	ˆˆl	modifier letter small capital l; superscript; linguistic use only
1DDE	◌̩̆	combining letter small capital l
02E1	ˆl	modifier letter small l; linguistic use only
A747	l̥	lowercase broken l; medievalist use
1D529	l	Fraktur (black letter) lowercase l; used as a symbol only
24A7	(l)	parenthesized Latin lowercase l; used as a symbol only
24DB	Ⓛ	circled Latin lowercase l; used as a symbol only
03BB	λ	lowercase Greek lambda with ‘Latin’ shape: Americanist phonetic notation, voiced alveolar lateral affricate (this OpenType glyph variant is accessed in Stylistic Set 20)
1D27	Λ	Greek letter small capital lamda; not for Greek text, linguistic use only
1D2B	л	cyrillic letter small capital el; linguistic use only
013A	l̇	
013E	l̈	
0140	l̉	
A749	l̊	lowercase l with high stroke; medievalist use
0142	l̋	
1D0C	ľ	small capital l with stroke; linguistic use only
019A	l̍	uppercase is L, 023D
026B	l̎	IPA velarized voiced alveolar lateral; uppercase is L̎, 2C62
026C	l̏	IPA voiceless alveolar lateral fricative; uppercase is L̏, A7AD
2C61	l̐	
A772	l̑	lowercase abbreviation lum
1E37	l̒	
013C	l̓	
1E3B	l̔	
1E3D	l̕	
0234	l̖	no uppercase
1D85	l̗	lowercase l with palatal hook
1DAA	l̘	modifier letter small l with palatal hook; superscript; linguistic use only
026D	l̙	lowercase l with retroflex hook; IPA voiced retroflex lateral; no uppercase
1DA9	l̚	modifier letter small l with retroflex hook; superscript; linguistic use only
A78E	l̛	Latin small letter l with retroflex hook and belt; voiceless lateral retroflex fricative; used to transcribe Toda; no uppercase
1E39	l̜	

019B	λ	linguistic use, not for Greek text; no uppercase
01C9	lj	with initial cap Lj, 01C8; all-uppercase is LJ, 01C7
1EFB	ll	Middle-Welsh ll; uppercase is LL, 1EFA
02AA	ls	ls digraph; no uppercase
02AB	lz	lz digraph; no uppercase
026E	lʒ	lezh; IPA voiced alveolar lateral fricative; no uppercase
004C	L	
A746	Ɑ	uppercase broken L; medievalist use
10192	ℒ	Roman semuncia sign; compare £, 00A3, pound sign
00A3	£	Pound sign; also (former Italian) Lira; compare ℒ, 10192, Roman semuncia sign, and ₺, 20BA, Turkish Lira
1D50F	ℒ	Fraktur (black letter) uppercase L; used as a symbol only
24C1	Ⓛ	circled Latin uppercase L; used as a symbol only
0139	Ĺ	
013D	Ł	
A748	Ɑ	uppercase L with high stroke; medievalist use
013F	Ł	
0141	Ł	
023D	Ł	lowercase is ł, 019A
2C62	Ł	lowercase is ł, 026B
A7AD	Ł	Latin capital letter L with belt; lowercase is ł, 026C
2C60	Ł	
1E36	Ł	
013B	Ł	
1E3A	Ł	
1E3C	Ł	
1E38	Ł	
01C8	Lj	with initial cap; all-uppercase is LJ, 01C7; lowercase is lj, 01C9
01C7	LJ	all-uppercase; with initial cap Lj, 01C8; lowercase is lj, 01C9
1EFA	LL	Middle-Welsh LL; lowercase is ll, 1EFB
006D	m	
036B	ᶢ	combining small letter m
1D50	ᶢ	modifier letter small m; linguistic use
1D39	ᶢ	modifier letter capital M; linguistic use
1D0D	ᶢ	small capital; linguistic use only
1DDF	ᶢ	combining letter small capital m
026F	u	IPA close back unrounded; uppercase is U, 019C
1D5A	ᶢ	modifier letter small turned m; linguistic use
0270	u	IPA velar approximant; no uppercase
1DAD	ᶢ	modifier letter small turned m with long leg; superscript; linguistic use only

1D1F	Ƀ	small letter sideways turned m
1D52A	𝓂	Fraktur (black letter) lowercase m; used as a symbol only
24A8	(m)	parenthesized Latin lowercase m; used as a symbol only
24DC	Ⓜ	circled Latin lowercase m; used as a symbol only
1E3F	ṁ	
1E41	ṃ	
1D6F	ɱ	small letter m with middle tilde
A773	𝓂Ꞥ	lowercase abbreviation mum
1E43	ɱ	
0271	ɱ	m with hook; IPA voiced labiodental nasal; uppercase is M, 2C6E
1DAC	ɱ̥	modifier letter small m with hook; superscript; linguistic use only
1D86	ɱ̥	lowercase m with palatal hook
004D	M	
A7FD	ꝺ	epigraphic inverted M
019C	ꝺ	lowercase is u, 026F
A7FF	Ꝼ	epigraphic archaic M
1D510	ꝺ	Fraktur (black letter) uppercase M; used as a symbol only
24C2	Ⓜ	circled Latin uppercase M; used as a symbol only
1E3E	Ṁ	
1E40	Ṃ	
1E42	Ṅ	
2C6E	ꝺ	lowercase is ɱ, 0271
006E	n	
207F	ⁿ	superscript lowercase n (modifier); linguistic use only
1DE0	̣	combining small letter n
1D3A	ⁿ	modifier letter capital N; linguistic use
0274	ⁿ	small cap; IPA voiced uvular nasal; linguistic use only
1DB0	ⁿ	modifier letter small capital n; superscript; linguistic use only
1DE1	̣	combining letter small capital n
1D3B	ꝺ	modifier letter capital reversed N; linguistic use
1D0E	ꝺ	small capital reversed n
1D52B	𝓃	Fraktur (black letter) lowercase n; used as a symbol only
24A9	(n)	parenthesized Latin lowercase n; used as a symbol only
24DD	Ⓝ	circled Latin lowercase n; used as a symbol only
0144	ń	
01F9	ṅ	
00F1	ñ	
0148	ň	
1E45	ṅ	
0149	’n	deprecated character, whose use is strongly discouraged

1D70	ⱱ	small letter n with middle tilde
A774	Ꞛ	lowercase abbreviation num
1E47	ꞛ	
1E49	Ꞝ	
0146	ꞝ	
1E4B	Ꞟ	
0235	ꞟ	no uppercase
A791	Ꞡ	Latin small letter n with descender; uppercase is N, A790
1D87	ꞡ	lowercase n with palatal hook
014B	Ꞣ	IPA voiced velar nasal; uppercase is N̥, 014A
		<b>character variants</b> (for small cap Ꞣ only):
	ꞣ	(small cap) use Stylistic Set 01
	Ꞥ	(small cap) use Stylistic Set 02
1D51	ꞥ	modifier letter small eng; linguistic use
0273	Ꞧ	IPA voiced retroflex nasal; no uppercase
1DAF	ꞧ	modifier letter small n with retroflex hook; superscript; linguistic use only
0272	Ꞩ	IPA voiced palatal nasal; uppercase is N̥, 019D
1DAE	ꞩ	modifier letter small n with left hook; superscript; linguistic use only
019E	Ɦ	uppercase is N̥, 0220
01CC	Ɜ	with initial cap N̥j, 01CB; all-uppercase is N̥J, 01CA
1D78	Ɡ	modifier letter Cyrillic en; linguistic use; do not confuse with Ɡ, modifier letter capital H, 1D34
004E	N	
1D511	Ɬ	Fraktur (black letter) uppercase N; used as a symbol only
24C3	Ⓝ	circled Latin uppercase N; used as a symbol only
0143	Ñ	
01F8	Ñ	
00D1	Ñ	
0147	Ñ	
1E44	Ñ	
1E46	Ñ	
1E48	Ñ	
0145	Ñ	
1E4A	Ñ	
A790	N	Latin capital letter N with descender; lowercase is n, A791
014A	N̥	lowercase is Ꞣ, 014B
		<b>character variants:</b>
	D	use Stylistic Set 01
	IJ	use Stylistic Set 02
019D	N̥	lowercase is Ꞣ, 0272

0220	ŋ	lowercase is ȳ, 019E
01CB	Nj	with initial cap; all-uppercase is NJ, 01CA; lowercase is nj, 01CC
01CA	NJ	all-uppercase; with initial cap Nj, 01CB; lowercase is nj, 01CC
2116	№	Numero sign
006F	o	
2092	◦	subscript lowercase o
0366	◌◌	combining small letter o
00BA	◌°	masculine ordinal; do not confuse with ◌°, 1D52, modifier letter small o, or ◌°, 00Bo, degree sign, or ◌°, 02DA, spacing ring above
1D52	◌◌°	modifier letter small o; linguistic use; do not confuse with ◌°, 00BA, masculine ordinal, or ◌°, 00Bo, degree sign, or ◌°, 02DA, spacing ring above
1D3C	◌◌°	modifier letter capital O; linguistic use
1D0F	◌◌°	small capital; linguistic use only
1D11	◌◌◌	small letter sideways o
1D13	◌◌◌	small letter sideways o with stroke
1D12	◌◌◌	small letter sideways open o
0254	◌◌◌	open o: typographically a turned c; uppercase is ◌◌◌, 0186
1D53	◌◌◌	modifier letter small open o; linguistic use
1D10	◌◌◌	small capital open o; linguistic use only
1D97	◌◌◌	lowercase open o with retroflex hook
1D16	◌◌◌	small letter top half o
1D54	◌◌◌	modifier letter small top half o; linguistic use
1D17	◌◌◌	small letter bottom half o
1D55	◌◌◌	modifier letter small bottom half o; linguistic use
A7B7	◌◌◌	Latin small letter omega; used in Gabonese orthographies; uppercase is ◌◌◌, A7B6
0277	◌◌◌	closed omega; linguistic use only; no uppercase
AB65	◌◌◌	small capital omega; Americanist use only; no uppercase
1D52C	◌◌◌	Fraktur (black letter) lowercase o; used as a symbol only
24AA	(◌◌)	parenthesized Latin lowercase o; used as a symbol only
24DE	◌◌◌	circled Latin lowercase o; used as a symbol only
00F3	◌◌◌	
00F2	◌◌◌	
00F4	◌◌◌	
00F6	◌◌◌	
00F5	◌◌◌	
014D	◌◌◌	
014F	◌◌◌	
01D2	◌◌◌	
0151	◌◌◌	
020D	◌◌◌	



020F	ô	
022F	ó	
1ECF	õ	
01A1	σ	uppercase is Ō, 01A0
A74D	ο	lowercase o with loop; medievalist use
00F8	ø	IPA front close-mid rounded; do not confuse with Ø, 2205
01FF	ó	
0275	ɵ	IPA rounded šwa; uppercase is Θ, 019F
1DB1	◌̄	modifier letter small barred o; superscript; linguistic use only
A74B	⓪	lowercase o with long stroke overlay; medievalist use
2C7A	⓪	UPA lowercase o with ring inside; no uppercase
01EB	ƚ	
01ED	ƚ̄	
1ECD	ƚ	
1ED1	ó	
1ED3	ò	
1ED7	õ	
1ED5	õ	
1ED9	ô	
1E4D	ó	
1E4F	ö	
022D	õ	
022B	õ	
1E53	ó	
1E51	ò	
0231	õ	
1EDB	ó	
1EDD	ò	
1EE1	õ	
1EDF	ó	
1EE3	ƚ	
0153	œ	IPA front open-mid rounded
A7F9	œ	modifier letter small ligature oe; linguistic use
0276	œ	small cap, linguistic use only; IPA front open rounded
1D14	æ	small letter turned œ
01A3	Œ	uppercase is Œ, 01A2
A74F	oo	lowercase oo; medievalist use
0223	8	lowercase letter ou; uppercase is 8, 0222
1D3D	8	modifier letter capital OU (8); linguistic use
1D15	8	small capital ou; linguistic use only

004F	O	
0186	Ɔ	uppercase open O: typographically a turned C; lowercase is 0254; do not confuse with Ɔ, roman numeral reversed one hundred, 2183
A7B6	Ω	Latin uppercase Omega; used in Gabonese orthographies; lowercase is ω, A7B7
1D512	⓪	Fraktur (black letter) uppercase O; used as a symbol only
24C4	⓪	circled Latin uppercase O; used as a symbol only
00D3	Ó	
00D2	Ò	
00D4	Ô	
00D6	Ö	
00D5	Õ	
014C	Ȫ	
014E	Ȭ	
01D1	Ȯ	
0150	Ȱ	
020C	Ȳ	
020E	ȴ	
022E	ȶ	
1ECE	ȸ	
01A0	Ŏ	lowercase is 0, 01A1
A74C	Œ	uppercase O with loop; medievalist use
00D8	Ø	uppercase O with stroke; O slash; do not confuse with the symbol Ø, 2205, empty set
01FE	Œ	
019F	Ɔ	lowercase is 0, 0275
A74A	Ɔ	uppercase O with long stroke overlay; medievalist use
0298	⦿	IPA bilabial click; no uppercase; do not confuse with ☉, 2609, the sun symbol
01EA	Œ	
01EC	Œ	
1ECC	Œ	
1ED0	Œ	
1ED2	Œ	
1ED6	Œ	
1ED4	Œ	
1ED8	Œ	
022A	Œ	
1E4C	Œ	
1E4E	Œ	
022C	Œ	
1E52	Œ	
1E50	Œ	

0230	Ó	
1EDA	Ŏ	
1EDC	Ö	
1EE0	Ő	
1EDE	Ǫ	
1EE2	ǫ	
0152	Œ	
01A2	Œ	lowercase is œ, 01A3
A74E	Œ	uppercase Œ; medievalist use
0222	8	uppercase letter ou; lowercase is 8, 0223; see also 8, modifier letter capital OU (8), 1D3D
0070	p	
1D56	p	modifier letter small p; linguistic use
1D3E	P	modifier letter capital P; linguistic use
1D18	p	small capital; linguistic use only
2117	©	sound recording copyright; do not confuse with (P), 24C5, circled Latin uppercase P
1D28	π	Greek letter small capital pi; not for Greek text, linguistic use only
1D2A	ψ	Greek letter small capital psi; not for Greek text, linguistic use only
1D52D	p	Fraktur (black letter) lowercase p; used as a symbol only
24AB	(p)	parenthesized Latin lowercase p; used as a symbol only
24DF	(p)	circled Latin lowercase p; used as a symbol only; do not confuse with ©, sound recording copyright, 2117
1E55	ṗ	
1E57	ṑ	
01A5	ṑ	uppercase is P, 01A4
1D7D	p	small letter p with stroke; uppercase is P, 2C63
A751	p	lowercase p with stroke through descender
1D71	p	small letter p with middle tilde
1D88	ṑ	lowercase p with palatal hook
A753	p	lowercase p with flourish
A755	ṑ	lowercase p with squirrel tail; medievalist use
0050	P	
A7FC	ṑ	epigraphic reversed P
1D513	ṑ	Fraktur (black letter) uppercase P; used as a symbol only
24C5	(P)	circled Latin uppercase P; used as a symbol only; compare ©, 2117, sound recording copyright, with which it should not be confused
1E54	ṑ	
1E56	ṑ	
01A4	P	lowercase is p, 01A5
2C63	P	lowercase is p, 1D7D

A750	P	uppercase P with stroke through descender
A752	P	uppercase P with flourish
A754	Ɔ	uppercase P with squirrel tail; medievalist use
0071	q	
A7AF	Q	Latin letter small capital q; used in Japanese phonemic transcription
1D52E	q	Fraktur (black letter) lowercase q; used as a symbol only
24AC	(q)	parenthesized Latin lowercase q; used as a symbol only
24E0	Ⓚ	circled Latin lowercase q; used as a symbol only
02A0	q̇	q with hook; no uppercase
024B	q	
A757	q	lowercase q with stroke through descender
A759	q̸	lowercase q with diagonal stroke
0239	qp	qp digraph; no uppercase; do not confuse with Greek φ, 03C6, or with Cyrillic ф, 0444
0051	Q	
1D514	Q	Fraktur (black letter) uppercase Q; used as a symbol only
24C6	Ⓚ	circled Latin uppercase Q; used as a symbol only
024A	Q̇	uppercase letter small q with hook tail
A756	Q	uppercase Q with stroke through descender
A758	Q̸	uppercase Q with diagonal stroke
0072	r	
02B3	ṛ	modifier letter small r; superscript; linguistic use only
036C	ɹ̥	combining small letter r
1D63	ṛ	Latin subscript small letter r; linguistic use
1DCA	ɹ̥	combining small letter r below
1D3F	Ṛ	modifier letter capital R; linguistic use
0280	ʀ	small cap r; IPA voiced uvular trill; also yr (whose uppercase is R̥, 01A6), used in Germanic, Old Norse
1DE2	Ṛ	combining letter small capital r
0279	ɹ	turned r; IPA voiced (post)alveolar approximant; no uppercase
02B4	ɹ̣	modifier letter small turned r; superscript; IPA rhotacized
1D1A	ʀ	small capital turned r
0281	ʀ̥	small capital inverted r; IPA voiced uvular fricative
02B6	ʀ̣	modifier letter small capital inverted r; superscript; linguistic use only
1D19	ʀ̥	small capital reversed r
1DE3	Ṛ	combining small letter r rotunda
1D68	ρ	Greek subscript small letter rho; linguistic use
1D29	Ρ	Greek letter small capital rho; not for Greek text, linguistic use only
027E	ɾ	r with fishhook; IPA voiced alveolar tap; no uppercase
A75B	ʀ	lowercase r rotunda
A75D	ʀ̥	lowercase rum rotunda

1D52F	ʀ	Fraktur (black letter) lowercase r; used as a symbol only
24AD	(r)	parenthesized Latin lowercase r; used as a symbol only
24E1	Ⓡ	circled Latin lowercase r; used as a symbol only
0155	ŕ	
0159	ř	
0211	ř̈	
0213	ř̇	
1E59	ŕ	
024D	ʀ	
1D72	ʀ	
1D73	ʀ	small letter r with fishhook and middle tilde
A775	ʀ	lowercase abbreviation rum
A776	ʀ	small capital abbreviation rum
1E5B	ʀ	
1E5F	ʀ	
0157	ʀ	
1D89	ɽ	lowercase r with palatal hook
027C	ɽ	r with long leg; no uppercase
027D	ɽ	r with tail; IPA voiced retroflex flap; uppercase is ʀ, 2C64
027F	ɽ	reversed r with fishhook; no uppercase
027A	ɽ	turned r with long leg; IPA voiced alveolar lateral flap; no uppercase
2C79	ɽ	UPA lowercase turned r with tail; no uppercase
027B	ɽ	turned r with hook; IPA voiced retroflex approximant; no uppercase
02B5	ɽ	modifier letter small turned r with hook; superscript; linguistic use only
1E5D	ʀ	
0052	®	
00AE	®	registered sign
01A6	ʀ	yr, lowercase – or rather, small cap – is ʀ, 0280; Germanic, Old Norse
A75A	ʀ	uppercase R rotunda
A75C	ʀ	uppercase RUM rotunda
211C	ʀ	Fraktur (black letter) uppercase R; used as a symbol only
24C7	Ⓡ	circled Latin uppercase R; used as a symbol only
0154	Ŕ	
0158	Ř	
0210	Ř̈	
0212	Ř̇	
1E58	Ŕ	
024C	ʀ	R with stroke
211E	ʀ	recipe; cross ratio; this is a symbol, not an alphabetic character
1E5A	ʀ	

1E5E	Ŕ	
0156	Ŗ	
2C64	Ŗ	r with tail; lowercase is ʀ, 027D
1E5C	Ŕ̄	
0073	s	
A731	s	small capital s; medievalist use
1DE4	ᶑ	combining small letter s
02E2	ˢ	modifier letter small s; superscript; linguistic use only
01A8	z	Zhuang lowercase letter tone two
017F	f	long s
1DE5	ᶑ	combining small letter long s
1E9B	ẛ	long s with dot above
1E9D	f	long s with high stroke
1E9C	f	long s with diagonal stroke
FB05	ft	lowercase ligature long s t; do not use: this character is only present for legacy purposes
1D530	ſ	Fraktur (black letter) lowercase s; used as a symbol only
24AE	(s)	parenthesized Latin lowercase s; used as a symbol only
24E2	Ⓢ	circled Latin lowercase s; used as a symbol only
015B	ś	
015D	ŝ	
0161	š	
1E61	š	
1D74	s	small letter s with middle tilde; no uppercase
1E63	ş	
015F	ş	
0219	ş	
023F	ſ̃	Latin small letter s with swash tail; Africanist use; uppercase is Ș, 2C7E
0282	ş	s with hook; IPA voiceless retroflex fricative; no uppercase
1DB3	ɸ	modifier letter small s with hook; superscript; linguistic use only
1D8A	ş	lowercase s with palatal hook
FB06	st	lowercase ligature st; do not use: this character is only present for legacy purposes
0283	ƒ	lowercase esh; IPA voiceless postalveolar fricative; uppercase is Σ, 01A9, in the Africa Alphabet; do not confuse with ƒ, 222B, integral
1DB4	ƒ	modifier letter small esh; superscript; linguistic use only
0284	ƒ	dotless j with stroke and hook; typographically based on ƒ, 025F, not on ƒ, 0283; no uppercase
0286	ƒ	esh with curl; no uppercase
1D98	ƒ	lowercase esh with retroflex hook
1D8B	ƒ	lowercase esh with palatal hook

0285	ɿ	squat reversed esh; no uppercase
01AA	ʃ	reversed esh loop; no uppercase
1E65	š	
1E67	ṧ	
1E69	š̈	
00DF	ß	lowercase German scharfes S; uppercase is ß, 1E9E
0053	S	
01A7	Რ	Zhuang uppercase letter tone two; compare Რ, 10193, Roman sextula sign
10193	Რ	Roman sextula sign; compare Რ, 01A7, Zhuang uppercase letter tone two
10194	Ს	Roman dimidia sextula sign
1D24	ʒ	voiced laryngeal spirant
01A9	Σ	never used for Greek text, only in the Africa Alphabet; lowercase is ς, 0283
1D516	Ⓕ	Fraktur (black letter) uppercase S; used as a symbol only
24C8	Ⓢ	circled Latin uppercase S; used as a symbol only
015A	Ś	
015C	Ŝ	
0160	Š	
1E60	ṧ	
0024	\$	Dollar sign
1E62	Ŗ	
015E	Ŗ̇	
0218	Ŗ̈	
2C7E	Ť	Latin capital letter S with swash tail; Africanist use; lowercase is ť, 023F
A7C5	Ŧ	Latin capital letter S with hook; used in early Pinyin romanization; lowercase is ƒ, 0282
1E64	š̈	
1E66	ṧ̈	
1E68	Ŗ̈	
1E9E	ß	uppercase letter German scharfes S; lowercase is ß, 00DF
0074	t	
1D57	ᵀ	modifier letter small t; linguistic use
1D40	ᵀ	modifier letter capital T; linguistic use
1D1B	ᵀ	small capital; linguistic use only
036D	ᵀ	combining small letter t
0287	ɾ	turned t; uppercase is ɹ, A7B1
03B8	θ	lowercase Greek theta, with ‘Latin’ shape; IPA voiceless dental fricative (this OpenType glyph variant is accessed in Stylistic Set 20)
1DBF	ᶞ	modifier letter small theta; superscript; linguistic use only
1D531	t	Fraktur (black letter) lowercase t; used as a symbol only
24AF	(t)	parenthesized Latin lowercase t; used as a symbol only
24E3	Ⓣ	circled Latin lowercase t; used as a symbol only

1E97	ĩ	no uppercase
0165	ť	uppercase is Ť, 0164
1E6B	ı̇	
01AD	ƒ	uppercase is T, 01AC
0167	ƒ	
1D75	ƒ	small letter t with middle tilde
2C66	ƒ	
A777	ƒ	lowercase abbreviation tum
0163	ƒ	
1E6D	ƒ	
1E6F	ƒ	
021B	ƒ	
1E71	ƒ	
0236	ƒ	no uppercase
01AB	ƒ	no uppercase
1DB5	ƒ	modifier letter small t with palatal hook; superscript; linguistic use only
0288	ƒ	IPA voiceless retroflex plosive; uppercase is ƒ, 01AE
02A8	ƒc	tc digraph with curl; no uppercase
1D7A	ƒh	small letter th with strikethrough
02A6	ƒs	ts digraph; no uppercase
AB67	ƒs	Latin small letter ts digraph with retroflex hook; no uppercase; used in Sinological and Tibetanist transcriptions
02A7	ƒʃ	tesh digraph; IPA voiceless postalveolar affricate; no uppercase
A729	ƒz	lowercase tz; Mayanist use
0054	T	
A7B1	Ɑ	Latin capital letter turned T; lowercase is ı̇, 0287; used in Americanist orthographies
1D517	ƒ	Fraktur (black letter) uppercase T; used as a symbol only
24C9	Ⓣ	circled Latin uppercase T; used as a symbol only
0164	Ť	lowercase is ť, 0165
1E6A	Ť	
01AC	T	lowercase is ƒ, 01AD
0166	T	
023E	T	
0162	T	
1E6C	T	
1E6E	T	
021A	T	
1E70	T	
01AE	ƒ	lowercase is ƒ, 0288
A728	ƒz	uppercase Tz; Mayanist use



2122	™	trade mark sign
0075	u	
1D58	u	modifier letter small u; linguistic use
1D64	u	Latin subscript small letter u; linguistic use
1D41	U	modifier letter capital U; linguistic use
0367	◌̣	combining small letter u
1D1C	U	small capital; linguistic use only
1DB8	U	modifier letter small capital u; superscript; linguistic use only
1D1D	ɹ	small letter sideways u
1D59	ɹ	modifier letter small sideways u; linguistic use
028A	ʊ	Latin upsilon; IPA lax close back rounded; uppercase is Ŭ, 01B1
1DB7	ʊ	modifier letter small upsilon; superscript; linguistic use only
1D7F	ϵ	Latin small letter upsilon with stroke
1D532	u	Fraktur (black letter) lowercase u; used as a symbol only
24B0	(u)	parenthesized Latin lowercase u; used as a symbol only
24E4	Ⓢ	circled Latin lowercase u; used as a symbol only
00FA	ú	
00F9	ù	
00FB	û	
00FC	ü	
1D1E	ɹ̈	small letter sideways diaeresized u
0169	ũ	
016B	ū	
016D	ǔ	
01D4	ǚ	
016F	û	
0171	ú	
0215	ù	
0217	û	
1EE7	ʉ	see also ʉ, Latin small letter glottal u, A7BF, used in Ugaritic transcription
A7BF	ʉ	Latin small letter glottal u; used to transcribe the Ugaritic cuneiform letter 𐎗; uppercase is ʉ, A7BE
01B0	ụ	
0289	u̥	IPA close central rounded
1D7E	ϵ	small capital letter u with stroke
1DB6	ụ	modifier letter small u bar; superscript; linguistic use only
A7B9	ụ	Latin small letter u with stroke; uppercase is Ū, A7B8; used in Mazahua
0173	ụ	
1E73	ụ	
1E75	ụ	

1E77	ɯ	
1EE5	ɯ	
1D99	ɯ	lowercase u with retroflex hook
01D6	ũ	
01D8	ú	
01DA	ÿ	
01DC	ù	
1E79	ú	
1E7B	ũ	
1EE9	ú	
1EEB	ù	
1EEF	ÿ	
1EED	ÿ	
1EF1	ɯ	
1D6B	ue	Latin small letter ue
0055	U	
01B1	Ů	Latin upsilon; lowercase is ɯ, 028A
1D518	Ů	Fraktur (black letter) uppercase U; used as a symbol only
24CA	Ⓢ	circled Latin uppercase U; used as a symbol only
00DA	Ú	
00D9	Ù	
00DB	Û	
00DC	Ü	
0168	Ů	
016A	Û	
016C	Ů	
01D3	Ů	
016E	Û	
0170	Ů	
0214	Û	
0216	Û	
1EE6	Ů	see also `U, Latin capital letter glottal U, A7BE, used in Ugaritic transcription
A7BE	Ů	Latin capital letter glottal U; used to transcribe the Ugaritic cuneiform letter 𐎗; lowercase is ɯ, A7BF
01AF	Ů	
0244	Ů	
A7B8	Ů	Latin capital letter U with stroke; lowercase is u, A7B9; used in Mazahua
0172	Ů	
1E72	Ů	
1E74	Ů	

1E76	Ū	
1EE4	Ū	
01D5	Ū̄	
01D7	Ū̇	
01D9	Ṻ	
01DB	Ṻ́	
1E78	Ū̇	
1E7A	Ṻ	
1EE8	Ū́	
1EEA	Ū̀	
1EEE	Ū̂	
1EEC	Ū̃	
1EF0	Ū̄	
0076	v	
1D5B	v	modifier letter lowercase v; superscript; linguistic use only
1D65	v	Latin subscript small letter v; linguistic use
1D20	v	small capital; linguistic use only
036E	◌̥	combining small letter v
028C	Λ	turned v, not a Greek lambda; IPA open-mid back unrounded; uppercase is Λ, 0245
1DBA	^	modifier letter small turned v; superscript; linguistic use only
028B	u	variant v, used in linguistics and in some African languages; IPA voiced labiodental approximant; uppercase is U, 01B2
1DB9	ʋ	modifier letter small v with hook; superscript; linguistic use only
1EFD	ᶒ	Middle-Welsh lowercase v
2C71	v	lowercase v with right hook; no uppercase
1D533	ʋ	Fraktur (black letter) lowercase v; used as a symbol only
24B1	(v)	parenthesized Latin lowercase v; used as a symbol only
24E5	Ⓥ	circled Latin lowercase v; used as a symbol only
1E7D	ṽ	
2C74	ṽ	lowercase v with curl; no uppercase
A75F	ṽ	lowercase v with diagonal stroke; medievalist use
1E7F	ṽ	
1D8C	ṽ	lowercase v with palatal hook
A761	vy	lowercase vy; medievalist use
0056	V	
0245	Λ	turned v, not a Greek lambda; lowercase is λ, 028C
01B2	U	variant v, used in linguistics and in some African languages; lowercase is u, 028B
1EFC	ᶒ	Middle-Welsh uppercase V
1D519	ṽ	Fraktur (black letter) uppercase V; used as a symbol only
24CB	Ⓥ	circled Latin uppercase V; used as a symbol only

1E7C	Ŵ	
A75E	Ƶ	uppercase V with diagonal stroke; medievalist use
10197	ƶ	Roman quinarius sign
1E7E	Ʒ	
A760	ƹ	uppercase VY; medievalist use
0077	w	
02B7	w	modifier letter small w; superscript; linguistic use only
1D42	W	modifier letter capital W; linguistic use
1D21	w	small capital; linguistic use only
028D	ʍ	turned w; IPA voiceless labial-velar fricative; no uppercase
A7C3	ƿ	Latin small letter Anglicana w; uppercase is Ƶ, A7C2; used in medieval English and Cornish
1D534	ʋ	Fraktur (black letter) lowercase w; used as a symbol only
24B2	(w)	parenthesized Latin lowercase w; used as a symbol only
24E6	Ⓜ	circled Latin lowercase w; used as a symbol only
1E83	ŵ	
1E81	Ẁ	
0175	Ẃ	
1E85	Ẅ	
1E98	Ẇ	no uppercase
1E87	Ẋ	
2C73	w	lowercase w with hook
1E89	Ƶ	
02AC	Ʒ	bilabial percussive; no uppercase
0057	W	
A7C2	Ƶ	Latin capital letter Anglicana W; lowercase is ƿ, A7C3; used in medieval English and Cornish
1D51A	ʋ	Fraktur (black letter) uppercase W; used as a symbol only
24CC	Ⓜ	circled Latin uppercase W; used as a symbol only
1E82	Ŵ	
1E80	Ẁ	
0174	Ẃ	
1E84	Ẅ	
1E86	Ẇ	
2C72	W	uppercase W with hook
1E88	Ƶ	
0078	x	
02E3	x	modifier letter small x; linguistic use only; do not confuse with *, modifier letter cross accent, 02DF
2093	x	subscript lowercase x

036F	̈́	combining small letter x
AB53	χ	Latin small letter khi; IPA voiceless uvular fricative; uppercase is Χ, A7B3; formerly, lowercase Greek khi, 03C7, was given a 'Latin' shape by applying Stylistic Set 20: χ
1D61	χ	modifier letter small chi; linguistic use
1D6A	χ	Greek subscript small letter chi; linguistic use
1D535	x	Fraktur (black letter) lowercase x; used as a symbol only
24B3	(x)	parenthesized Latin lowercase x; used as a symbol only
24E7	ⓧ	circled Latin lowercase x; used as a symbol only
1E8D	ẋ	
1E8B	ẋ	
1D8D	ɣ	lowercase x with palatal hook; no uppercase
0058	X	
A7B3	Χ	Latin capital letter Khi; used in German dialectology; lowercase is χ, AB53
1D51B	Ꝁ	Fraktur (black letter) uppercase X; used as a symbol only
24CD	ⓧ	circled Latin uppercase X; used as a symbol only
1E8C	Ẋ	
1E8A	Ẋ	
10196	⌘	Roman denarius sign
0079	y	
028F	ɣ	small capital y; linguistic use only: IPA voiced palatal lateral
02B8	ʏ	modifier letter small y; superscript; linguistic use only
028E	ɥ	turned y; IPA voiced palatal lateral; no uppercase; compare ʌ, 2041, caret insertion point
1D536	ꝁ	Fraktur (black letter) lowercase y; used as a symbol only
24B4	(y)	parenthesized Latin lowercase y; used as a symbol only
24E8	ⓧ	circled Latin lowercase y; used as a symbol only
00FD	ý	
1EF3	ÿ	
0177	ŷ	
00FF	ÿ	
1EF9	ÿ	
0233	ȳ	
1E99	ŷ	no uppercase
1E8F	ÿ	
1EF7	ÿ	
01B4	y	
024F	ȳ	
	ȳ	Elfdalian y with ogonek can be made by keying y followed by a combining ogonek, ̇, 0328

1EF5	ÿ	
1EFF	ÿ	y with loop
0133	ij	Dutch letter ij; uppercase is IJ, 0132
	íj	Dutch letter ij with two acute accents can be made by keying ij followed by one combining acute accent, ´, 0301
0059	Y	
1D51C	Ÿ	Fraktur (black letter) uppercase Y; used as a symbol only
24CE	Ⓨ	circled Latin uppercase Y; used as a symbol only
00DD	Ý	
1EF2	ÿ̇	
0176	ÿ̈	
0178	ÿ̈̈	
1EF8	ÿ̇̈	
0232	ÿ̇̈̈	
1E8E	ÿ̇̈̈̈	
1EF6	ÿ̇̈̈̈̈	
01B3	Y	Y with hook
024E	Y	
00A5	¥	Yen, Yuan sign
1EF4	Ẏ	
1EFE	Y	Y with loop
	Ẏ	Elfdalian Y with ogonek can be made by keying Y followed by a combining ogonek, ̸, 0328
0132	IJ	Dutch letter IJ; lowercase is ij, 0133
	ÍJ	Dutch letter ij with two acute accents can be made by keying IJ followed by one combining acute accent, ´, 0301
007A	z	
1D22	z	small capital; linguistic use only
1DBB	z	modifier letter small z; superscript; linguistic use only
1DE6	ẓ	combining small letter z
A763	z	lowercase Visigothic z
1D537	z	Fraktur (black letter) lowercase z; used as a symbol only
24B5	(z)	parenthesized Latin lowercase z; used as a symbol only
24E9	Ⓩ	circled Latin lowercase z; used as a symbol only
017A	ž	
1E91	ž	
017E	ž	
017C	ž	
01B6	z	

1D76	z	small letter z with middle tilde
1E93	ż	
1E95	z̈	
0225	ž	
0240	z̍	in Brill fonts: lowercase only; uppercase is 2C7F, introduced with Unicode v. 5.2
0291	z̎	z with curl; IPA voiced alveopalatal fricative; no uppercase
1DBD	z̏	modifier letter small z with curl; superscript; linguistic use only
0290	z̐	z with retroflex hook; IPA voiced retroflex fricative; no uppercase
1DBC	z̑	modifier letter small z with retroflex hook; superscript; linguistic use only
1D8E	z̒	lowercase z with palatal hook; uppercase is Z̒, A7C6
2C6C	z̓	lowercase z with descender (for Uighur)
005A	Z	
A762	Ź	uppercase Visigothic Z
2128	Ẑ	Fraktur (black letter) uppercase Z; used as a symbol only
24CF	Ⓩ	circled Latin uppercase Z; used as a symbol only
0179	Ž	
1E90	Ẑ	
017D	Ž	
017B	Ž	
01B5	Z	
1E92	Ẑ	
1E94	Ẑ	
0224	Z̄	
2C7F	Z̅	Latin capital letter Z with swash tail; Africanist use; lowercase is z̅, 0240
A7C6	Z̆	Latin capital letter Z with palatal hook; used in early Pinyin romanization; lowercase is z̆, 1D8E
2C6B	Ż	uppercase Z with descender (for Uighur)
00FE	þ	lowercase thorn
A765	þ̇	lowercase thorn with stroke
A767	þ̈	lowercase thorn with stroke through descender
00DE	Þ	uppercase thorn
A764	Þ̇	uppercase thorn with stroke
A766	Þ̈	uppercase thorn with stroke through descender
021D	ȝ	lowercase yogh; do not confuse with lowercase abbreviation et, ȝ, A76B
021C	Ȝ	uppercase yogh; do not confuse with uppercase abbreviation ET, Ȝ, A76A
01BF	ƿ	lowercase wynn; uppercase is Ꝁ, 01F7
01F7	Ꝁ	uppercase wynn; lowercase is ƿ, 01BF
A769	ƿ	lowercase vend (Old Norse)
A768	ƿ̇	uppercase vend (Old Norse)
0292	ʒ	lowercase ezh; IPA voiced postalveolar fricative; uppercase is ʒ, 01B7

1D23	ɹ	small capital ezh; linguistic use only
1DBE	ɹ	modifier letter small ezh; superscript; linguistic use only
01B7	Ʒ	uppercase ezh; lowercase is ʒ, 0292
01B9	ɘ	lowercase ezh reversed; uppercase is Ʒ, 01B8
01B8	Ʒ	uppercase ezh reversed; lowercase is ɘ, 01B9
01EF	ǰ	lowercase ezh with caron; uppercase is ǰ̇, 01EE
01EE	ǰ̇	uppercase ezh with caron; lowercase is ǰ, 01EF
0293	ʒ	ezh with curl; no uppercase
01BA	ʒ	ezh with tail; no uppercase
1D9A	ʒ	lowercase ezh with retroflex hook
A76B	ɹ	lowercase abbreviation et; also used in the -q3 (-que) abbreviation; do not confuse with lowercase yogh, ʒ, 021D, or with digit 3
A76A	ɹ	uppercase abbreviation ET; do not confuse with uppercase yogh, ʒ, 021C, or with digit 3
A76D	ɹ	lowercase abbreviation is; do not confuse with lowercase f with hook, ɹ, 0192, or with lowercase dotless j with stroke and hook, ɹ, 0284
A76C	ɹ	uppercase abbreviation IS
A778	ɹ	lowercase abbreviation um
0294	ʔ	glottal stop; IPA glottal plosive; a caseless letter; casing variants: ʔ, 0242, and ʔ, 0241
0242	ʔ	lowercase glottal stop; uppercase is ʔ, 0241; caseless glottal stop is ʔ, 0294
0241	ʔ	uppercase glottal stop; lowercase is ʔ, 0242; caseless glottal stop is ʔ, 0294
02C0	ʔ̇	superscript, typographical alternate for ʔ, 02BE
0295	ʕ	reversed glottal stop; IPA voiced pharyngeal fricative; no uppercase
02E4	ʕ̇	superscript version of 0295, the reversed glottal stop; IPA pharyngealized; compare ʕ̇, 02C1
02C1	ʕ̇	superscript, typographical alternate for ʕ̇, 02BF; compare ʕ̇, 02E4; superscript reversed glottal stop
0296	ɰ	inverted glottal stop; lateral click; see also ll, 01C1; no uppercase
02A1	ʔ̥	glottal stop with stroke; IPA voiced epiglottal plosive; no uppercase
02A2	ʔ̥	reversed glottal stop with stroke; IPA voiced epiglottal fricative; no uppercase
01BE	ɸ	archaic phonetic for [ts] affricate; no uppercase
A78C	ʼ	Latin small letter saltillo; symbol for glottal stop; used in Me'phaa/Tlapanec; uppercase is ʼ, A78B
A78B	ʼ	Latin capital letter saltillo; symbol for glottal stop; used in Me'phaa/Tlapanec; lowercase is ʼ, A78C

### Combining characters, spacing modifier letters, and similarly-shaped characters and marks

0357	◌̆	combining right half ring above
02BE	◌̆	modifier letter right half ring; transliteration of Arabic hamza, Hebrew 'aleph
A723	◌̆	Latin small letter egyptological alef



A722	ʒ	Latin uppercase letter egyptological alef
02D2	ɹ	modifier letter centred right half ring; more rounded articulation
0339	◌̣	combining right half ring below; IPA more rounded
0351	◌̥	combining left half ring above
02BF	ˁ	modifier letter left half ring; transliteration of Arabic ‘ayn, Hebrew ‘ayin
A725	ˁ	Latin small letter egyptological ain
A724	ˁ	Latin uppercase letter egyptological ain
1D25	Ⲁ	Latin letter ain
1D5C	ⲁ	modifier letter small ain
02D3	ˁ	modifier letter centered left half ring; less rounded articulation
031C	◌̣	combining left half ring below; IPA less rounded
0312	◌̥	combining turned comma above
02BB	‘	modifier letter turned comma; Hawai‘ian ‘okina; do not confuse with ‘, 2018, left single quotation mark
0313	◌̥	combining comma above; Greek smooth breathing (ψιλή or ψιλὸν πνεῦμα)
0486	◌̥	combining cyrillic psili pneumata; used to compose egyptological yod: i and I plus ◌̥ gives ï and Ĩ
02BC	’	modifier letter apostrophe (various uses, but never that of apostrophe, which is 2019; IPA ejective); do not confuse with ’, 1FBF, spacing Greek smooth breathing (ψιλή), or with ’, 1FBD, spacing Greek κορωνίς
0315	◌̥	combining comma above right
0314	◌̥	combining reversed comma above; Greek rough breathing (δασεία or δασὺ πνεῦμα)
02BD	ˁ	modifier letter reversed comma (weak aspiration); do not confuse with ‘, 201B, single high-reversed-9 quotation mark, or with ‘, 1FFE, spacing Greek rough breathing (δασεία)
0326	◌̣	combining comma below
02C2	◌̣	modifier letter left arrowhead; this is a spacing character; fronted articulation; do not confuse with ◌̣, UPA modifier letter low left arrowhead, 02F1
1DFE	◌̥	combining left arrowhead above
02F1	◌̣	UPA modifier letter low left arrowhead; do not confuse with ◌̣, modifier letter left arrowhead, 02C2
0354	◌̣	combining left arrowhead below
02C3	◌̣	modifier letter right arrowhead; this is a spacing character; backed articulation; do not confuse with ◌̣, UPA modifier letter low right arrowhead, 02F2
0350	◌̥	combining right arrowhead above
0355	◌̣	combining right arrowhead below
0356	◌̣	combining right arrowhead and up arrowhead below
1DFF	◌̣	combining right arrowhead and down arrowhead below
02F2	◌̣	UPA modifier letter low right arrowhead; do not confuse with ◌̣, modifier letter right arrowhead, 02C3

0302	◌̂	combining circumflex accent
1DCD	◌̂̂	combining double circumflex above; typed between the two letters to which it belongs
005E	^	circumflex accent; this is a spacing character; combining circumflex accent is ◌̂, 0302; do not confuse with ^, modifier letter up arrowhead, 02C4, or ^, modifier letter circumflex accent, 02C6, or ^ UPA modifier letter low up arrowhead, 02F0, or ^ modifier letter low circumflex accent, A788
02C6	^	modifier letter circumflex accent; this is a spacing character; various linguistic uses; combining circumflex accent is ◌̂, 0302; do not confuse with ^, circumflex, 005E, or ^, modifier letter up arrowhead, 02C4, or ^ UPA modifier letter low up arrowhead, 02F0, or ^ modifier letter low circumflex accent, A788
032D	◌̣	combining circumflex accent below
A788	^	modifier letter low circumflex accent; this is a spacing character; linguistic use (tone marker in Akha and Lahu); combining circumflex accent below is ◌̣, 032D; do not confuse with ^ UPA modifier letter low up arrowhead, 02F0, or ^, 005E, circumflex, or ^, modifier letter up arrowhead, 02C4, or ^, modifier letter circumflex accent, 02C6
02C4	^	modifier letter up arrowhead; this is a spacing character; raised articulation; do not confuse with ^, 005E, circumflex, or ^, modifier letter circumflex accent, 02C6, or ^ UPA modifier letter low up arrowhead, 02F0, or ^ modifier letter low circumflex accent, A788
02F0	^	UPA modifier letter low up arrowhead; do not confuse with ^, 005E, circumflex, or ^, modifier letter up arrowhead, 02C4, or ^, modifier letter circumflex accent, 02C6, or ^ modifier letter low circumflex accent, A788
030C	◌̣̣	combining caron = háček; do not confuse with ◌̣̣, combining breve, 0306
02C7	ˇ	caron = háček; this is a spacing character; combining caron/háček is ◌̣̣, 030C; do not confuse with ˇ, modifier letter down arrowhead, 02C5, or ˇ, IPA modifier letter voicing, 02EC, or ˇ, UPA modifier letter low down arrowhead, 02EF
02C5	ˇ	modifier letter down arrowhead; this is a spacing character; lowered articulation; do not confuse with ˇ, caron = háček, 02C7, or ˇ, modifier letter down arrowhead, 02C5, or ˇ, IPA modifier letter voicing, 02EC, or ˇ, UPA modifier letter low down arrowhead, 02EF
032C	◌̣̣̣	combining caron below; IPA voiced
02EC	ˇ	IPA modifier letter voicing; do not confuse with ˇ, caron = háček, 02C7, or ˇ, modifier letter down arrowhead, 02C5, or ˇ, UPA modifier letter low down arrowhead, 02EF
02EF	ˇ	UPA modifier letter low down arrowhead; do not confuse with ˇ, caron = háček, 02C7, or ˇ, modifier letter down arrowhead, 02C5, or ˇ, IPA modifier letter voicing, 02EC
0301	◌̇	combining acute accent; may also be used as Greek ὀξεῖα and modern Greek τόνοϛ; IPA high tone
0341	◌̇̇	Vietnamese combining acute tone mark; its use is discouraged: use ◌̇, 0301, instead

- 00B4 ´ acute accent; this is a spacing character; compare ´, 02CA, modifier letter acute accent; combining acute accent is ´, 0301; do not confuse with ´, 0374, Greek numeral sign, δεξιά κεραία, or with ´, 2032, prime
- 02CA ´ modifier letter acute accent; this is a spacing character; compare ´, 00B4, acute accent; combining acute accent is ´, 0301; do not confuse with ´, 0374, Greek numeral sign, δεξιά κεραία, or with ´, 2032, prime  
When used as the Chinantec mid tone mark, the glyph representing this character can be made strictly rectangular by applying the ‘Chinantec’ language attribute in certain applications, principally web browsers (for instance by using the CSS ‘font-language-override’ syntax and the ‘CCHN’ OpenType language system tag).
- 0374 ´ Greek numeral sign, δεξιά κεραία; in the Milesian numeral system, put to the right of letters representing numbers; do not confuse with ´, 00B4, spacing acute accent, or with ´, 02CA, modifier letter acute accent, or with ´, 2032, prime
- 0317 ◌ combining acute accent below
- 02CF , modifier letter low acute accent; this is a spacing character; combining acute accent below is ◌, 0317; do not confuse with , 0375, Greek lower numeral sign, ἀριστερά κεραία
- 0375 , Greek lower numeral sign, ἀριστερά κεραία; in the Milesian numeral system, put to the left of letters representing thousands
- 0300 ◌ combining grave accent; may also be used as Greek βαρεία; IPA low tone
- 0340 ◌ Vietnamese combining grave tone mark; its use is discouraged: use ◌ combining grave accent instead
- 0060 ` grave accent; this is a spacing character; combining grave accent is ◌, 0300; do not confuse with ` , 2035, reversed prime
- 02CB ` modifier letter grave accent; this is a spacing character; compare ` , 0060, grave accent; combining grave accent is ◌, 0300; do not confuse with ` , 2035, reversed prime  
When used as the Chinantec low rising tone mark, the glyph representing this character can be made strictly rectangular by applying the ‘Chinantec’ language attribute in certain applications, principally web browsers (for instance by using the CSS ‘font-language-override’ syntax and the ‘CCHN’ OpenType language system tag).
- 02F4 ˘ UPA modifier letter middle grave accent; this is a spacing character
- 0316 ◌ combining grave accent below
- 02CE ˘ modifier letter low grave accent; this is a spacing character; combining grave accent below is ◌, 0316
- 0308 ¨ combining diaeresis; IPA centralized
- 00A8 ¨ diaeresis; this is a spacing character; combining diaeresis is ¨, 0308
- 0324 ◌ combining diaeresis below; IPA breathy voiced
- 0303 ̃ combining tilde; IPA nasalized; compare ̃, 1DD1, combining ‘ur’ above (medievalist use)
- 0360 ̄ combining double tilde; typed between the two letters to which it belongs
- 1DD1 ̄ combining ‘ur’ above; medievalist use

034A	◌̆	combining not tilde above
034B	◌̇	combining homothetic above
034C	◌̈	combining almost equal to above; compare ◌̉, 1DFD
007E	~	tilde; this is a spacing character; compare ˜, 02DC, small tilde; ~, swung dash, 2053; and ~, 223C, tilde operator; combining tilde is ̃, 0303
02DC	˜	small tilde; this is a spacing character; compare ~, tilde, 007E; ~, swung dash, 2053; and ~, 223C, tilde operator; combining tilde is ̃, 0303
033E	◌̋	combining vertical tilde
2E2F	˘	vertical tilde; this is a spacing character, used for Cyrillic yerik
035B	◌̌	combining zigzag above; compare ◌̍ combining zigzag below, 1DCF
0334	◌̎	combining tilde overlay; IPA velarized or pharyngealized; compare precomposed ł, 026B, and ɲ, 1D70
2053	~	swung dash; this is a spacing character; compare ~, tilde, 007E; ˜, 02DC, small tilde; and ~, 223C, tilde operator; combining tilde is ̃, 0303
0330	◌̏	combining tilde below; IPA creaky voiced
02F7	˘	UPA modifier letter low tilde; this is a spacing character; combining tilde below is ◌̏, 0330
1DFD	◌̐	combining almost equal to below; indicates a strident vowel in Khoisan languages; compare ̑, 034C
1DD0	◌̑	combining 'is' below; medievalist use
1DCF	◌̒	combining zigzag below; compare ◌̌ combining zigzag above, 035B
1DC2	◌̓	combining snake below
0304	◌̄	combining macron; IPA mid tone
0305	◌̅	combining overline; connects on left and right
203E	—	overline, spacing; connects on left and right
035E	◌̆̆	combining double macron; typed between the two letters to which it belongs
033F	◌̇̇	combining double overline
00AF	ˉ	macron; this is a spacing character; combining macron is ◌̄, 0304
02C9	ˊ	modifier letter macron; this is a spacing character; combining macron is ◌̄, 0304
0335	◌̈́	combining short stroke overlay
0336	◌̈́̈́	combining long stroke overlay
0337	◌̈́̈́̈́	combining short solidus overlay
0338	◌̈́̈́̈́̈́	combining long solidus overlay
0331	◌̏̄	combining macron below
02CD	˘	modifier letter low macron; this is a spacing character; compare ˘, 005F, low line; combining macron below is ◌̏̄, 0331
0332	◌̏̅	combining low line; connects on left and right
005F	˘	low line = spacing underscore; compare ˘, 02CD, modifier letter low macron; combining low line is ◌̏̅, 0332
035F	◌̏̆̆	combining double macron below; typed between the two letters to which it belongs

0333	◌	combining double low line
0306	◌	combining breve; IPA extra-short; do not confuse with ˇ, combining caron = háček, 030C
0310	◌	combining candrabindu
035D	◌	combining double breve; typed between the two letters to which it belongs
0361	◌	combining double inverted breve = ligature tie; IPA tie bar above; typed between the two letters to which it belongs
2040	˘	character tie, spacing; used between two characters to connect them
02D8	˘	breve; metrical short; this is a spacing character; combining breve is ˇ, 0306
032E	◌	combining breve below
035C	◌	combining double breve below; IPA tie bar below; typed between the two letters to which it belongs
203F	˘	undertie, spacing; used between two characters to connect them
032F	◌	combining inverted breve below; IPA non-syllabic
1DFC	◌	combining double inverted breve below; typed between the two letters to which it belongs
2054	˘	inverted undertie, spacing
030B	◌	combining double acute accent; IPA extra high tone
02DD	˘	double acute accent; this is a spacing character; combining double acute accent is ˇ, 030B
02F6	˘	UPA modifier letter middle double acute accent; this is a spacing character
030F	◌	combining double grave accent; IPA extra low tone
02F5	˘	UPA modifier letter middle double grave accent; this is a spacing character
030A	◌	combining ring above; IPA voiceless, used when the base character has a descender (compare ◌, 0325, which is used in all other cases)
02DA	◌	ring above; this is a spacing character; combining ring above is ◌, 030A; do not confuse with ◌, 00B0, degree sign, or ◌, 1D52, modifier letter small o, or ◌, 00BA, masculine ordinal; compare ◌, UPA modifier letter low ring, 02F3
00B0	◌	degree sign; do not confuse with ◌, 02DA, spacing ring above, or ◌, 1D52, modifier letter small o, or ◌, 00BA, masculine ordinal
25CB	◌	white circle
25CC	◌	dotted circle; used to indicate combining characters, with the dots representing the base character to which the combining character will be added: 25CC plus 0301 is rendered as ◌
25EF	◌	large circle
2609	◌	sun symbol; do not confuse with ◌, 0298, bilabial click
0298	◌	IPA bilabial click; no uppercase; do not confuse with ◌, 2609, the sun symbol
2205	∅	empty set; null morpheme; phonological zero; do not confuse with the letter ∅, 00D8, O slash



02D4	ˆ	modifier letter up tack; this is a spacing character; vowel raising or closing; combining up tack above is ˆ, 1DF5; combining up tack below is ˆ, 031D
031D	ˆ	combining up tack below; IPA raised
031E	ˆ	combining down tack below; IPA lowered
02D5	˘	modifier letter down tack; this is a spacing character; vowel lowering or opening; combining down tack below is ˘, 031E
0318	ˆ	combining left tack below; IPA advanced tongue root
0319	ˆ	combining right tack below; IPA retracted tongue root
02EB	ˆ	Bopomofo modifier letter Yang departing tone mark
031F	ˆ	combining plus sign below; IPA advanced
02D6	ˆ	modifier letter plus sign; this is a spacing character; advanced or fronted articulation; combining plus sign below is ˆ, 031F
0320	ˆ	combining minus sign below; IPA retracted
02D7	-	modifier letter minus sign; this is a spacing character; linguistic use: retracted or backed articulation; minus sign is -, 2212
033D	ˆ	combining x above; IPA mid-centralized
02DF	ˆ	modifier letter cross accent; this is a spacing character; do not confuse with ˆ, modifier letter small x, 02E3
0353	ˆ	combining x below
0346	ˆ	combining bridge above
032A	ˆ	combining bridge below; IPA dental
02AD	ˆ	bidental percussive; no uppercase
033A	ˆ	combining inverted bridge below; IPA apical
02FD	ˆ	UPA modifier letter shelf; this is a spacing character
02FE	ˆ	UPA modifier letter open shelf; this is a spacing character
1DD3	ˆ	combining small letter flattened open a above
032B	ˆ	combining inverted double arch below
033C	ˆ	combining seagull below; IPA linguolabial
1DC4	ˆ	combining macron-acute contour tone mark
1DC5	ˆ	combining grave-macron contour tone mark
1DC6	ˆ	combining macron-grave contour tone mark
1DC7	ˆ	combining acute-macron contour tone mark
1DC8	ˆ	combining grave-acute-grave contour tone mark
1DC9	ˆ	combining acute-grave-acute contour tone mark
1DCB	ˆ	combining breve-macron contour tone mark
1DCC	ˆ	combining macron-breve contour tone mark
02E5	ˆ	modifier letter extra-high tone bar; this is a spacing character; do not confuse with ˆ, UPA modifier letter end high tone, 02FA, or ˆ, right ceiling mathematical delimiter, 2309, or ˆ, top right quine corner, 231D, or ˆ, top right half bracket, 2E23 see also ˆ, 02E6; ˆ, 02E7; ˆ, 02E8; ˆ, 02E9; compare ˆ, A712; ˆ, A708; ˆ, A70D

02FA	ˆ	UPA modifier letter end high tone; do not confuse with ˆ, modifier letter extra-high tone bar, 02E5, or ˆ, right ceiling mathematical delimiter, 2309, or ˆ, top right quine corner, 231D, or ˆ, top right half bracket, 2E23
2309	ˆ	right ceiling mathematical delimiter; do not confuse with ˆ, modifier letter extra-high tone bar, 02E5, or ˆ, UPA modifier letter end high tone, 02FA, or ˆ, top right quine corner, 231D, or ˆ, top right half bracket, 2E23
231D	ˆ	top right quine corner; do not confuse with ˆ, modifier letter extra-high tone bar, 02E5, or ˆ, UPA modifier letter end high tone, 02FA, or ˆ, right ceiling mathematical delimiter, 2309, or ˆ, top right half bracket, 2E23
2E23	ˆ	top right half bracket; do not confuse with ˆ, modifier letter extra-high tone bar, 02E5, or ˆ, UPA modifier letter end high tone, 02FA, or ˆ, right ceiling mathematical delimiter, 2309, or ˆ, top right quine corner, 231D
031A	◌̘	combining left angle above; IPA not audibly released
0349	◌̙	combining left angle below
02E6	ˆ	modifier letter high tone bar; this is a spacing character; see also ˆ, 02E5; ˆ, 02E7; ˆ, 02E8; ˆ, 02E9; compare ˆ, A713; ˆ, A709; ˆ, A70E
02E7	ˆ	modifier letter mid tone bar; this is a spacing character; see also ˆ, 02E5; ˆ, 02E6; ˆ, 02E8; ˆ, 02E9; compare ˆ, A714; ˆ, A70A; ˆ, A70F
02E8	ˆ	modifier letter low tone bar; this is a spacing character; see also ˆ, 02E5; ˆ, 02E6; ˆ, 02E7; ˆ, 02E9; compare ˆ, A715; ˆ, A70B; ˆ, A710
02E9	ˆ	modifier letter extra-low tone bar; this is a spacing character; do not confuse with ˆ, right floor mathematical delimiter, 230B, or ˆ, bottom right quine corner, 231F, or ˆ, bottom right half bracket, 2E25 see also ˆ, 02E5, ˆ, 02E6; ˆ, 02E7; ˆ, 02E8; compare ˆ, A716; ˆ, A70C; ˆ, A711
02FC	ˆ	UPA modifier letter end low tone; do not confuse with ˆ, modifier letter extra-low tone bar, 02E9, or ˆ, right floor mathematical delimiter, 230B, or ˆ, bottom right quine corner, 231F, or ˆ, bottom right half bracket, 2E25, or ˆ, modifier letter lower right corner angle, A71A
230B	ˆ	right floor mathematical delimiter; do not confuse with ˆ, modifier letter extra-low tone bar, 02E9, or ˆ, UPA modifier letter end low tone, 02FC, or ˆ, bottom right quine corner, 231F, or ˆ, bottom right half bracket, 2E25, or ˆ, modifier letter lower right corner angle, A71A
231F	ˆ	bottom right quine corner; do not confuse with ˆ, modifier letter extra-low tone bar, 02E9, or ˆ, UPA modifier letter end low tone, 02FC, or ˆ, right floor mathematical delimiter, 230B, or ˆ, bottom right half bracket, 2E25, or ˆ, modifier letter lower right corner angle, A71A
2E25	ˆ	bottom right half bracket; do not confuse with ˆ, modifier letter extra-low tone bar, 02E9, or ˆ, UPA modifier letter end low tone, 02FC, or ˆ, right floor mathematical delimiter, 230B, or ˆ, bottom right quine corner, 231F, or ˆ, modifier letter lower right corner angle, A71A



- A712 Ɔ modifier letter extra-high left-stem tone bar; this is a spacing character; do not confuse with Ɔ, left ceiling mathematical delimiter, or Ɔ, UPA modifier letter begin high tone, 02F9, or Ɔ, top left quine corner, 231C, or Ɔ, New Testament right angle substitution marker, 2E00, or Ɔ, top left half bracket, 2E22  
see also †, A713; †, A714; †, A715; †, A716; compare †, 02E5; †, A70D; †, A708
- 2308 Ɔ left ceiling mathematical delimiter; do not confuse with Ɔ, modifier letter extra-high left-stem tone bar, A712, or Ɔ, UPA modifier letter begin high tone, 02F9, or Ɔ, top left quine corner, 231C, or Ɔ, New Testament right angle substitution marker, 2E00, or Ɔ, top left half bracket, 2E22
- 02F9 Ɔ UPA modifier letter begin high tone; do not confuse with Ɔ, modifier letter extra-high left-stem tone bar, A712, or Ɔ, left ceiling mathematical delimiter, 2308, or Ɔ, top left quine corner, 231C, or Ɔ, New Testament right angle substitution marker, 2E00, or Ɔ, top left half bracket, 2E22
- 231C Ɔ top left quine corner; do not confuse with Ɔ, modifier letter extra-high left-stem tone bar, A712, or Ɔ, UPA modifier letter begin high tone, 02F9, or Ɔ, left ceiling mathematical delimiter, 2308, or Ɔ, New Testament right angle substitution marker, 2E00, or Ɔ, top left half bracket, 2E22
- 2E00 Ɔ right angle substitution marker; used in some editions of the New Testament; do not confuse with Ɔ, modifier letter extra-high left-stem tone bar, A712, or Ɔ, UPA modifier letter begin high tone, 02F9, or Ɔ, left ceiling mathematical delimiter, 2308, or Ɔ, top left quine corner, 231C, or Ɔ, top left half bracket, 2E22
- 2E01 Ɔ right angle dotted substitution marker; used in some editions of the Greek New Testament
- 2E22 Ɔ top left half bracket; do not confuse with Ɔ, modifier letter extra-high left-stem tone bar, A712, or Ɔ, UPA modifier letter begin high tone, 02F9, or Ɔ, left ceiling mathematical delimiter, 2308, or Ɔ, top left quine corner, 231C, or Ɔ, New Testament right angle substitution marker, 2E00
- A713 † modifier letter high left-stem tone bar; this is a spacing character; see also Ɔ, A712; †, A714; †, A715; †, A716; compare †, 02E6; †, A70E; †, A709
- A714 † modifier letter mid left-stem tone bar; this is a spacing character; see also Ɔ, A712; †, A713; †, A715; †, A716; compare †, 02E7; †, A70F; †, A70A
- A715 † modifier letter low left-stem tone bar; this is a spacing character; see also Ɔ, A712; †, A713; †, A714; †, A716; compare †, 02E8; †, A710; †, A70B
- A716 † modifier letter low left-stem tone bar; this is a spacing character; see also Ɔ, A712; †, A713; †, A714; †, A715; compare †, 02E9; †, A711; †, A70C
- 02EA ˘ Bopomofo modifier letter Yin departing tone mark; do not confuse with ˘, modifier letter low left-stem tone bar, A716, or ˘, UPA modifier letter begin low tone, 02FB, or ˘, left floor mathematical delimiter, 230A, or ˘, bottom left quine corner, 231E, or ˘, bottom left half bracket, 2E24

02FB	ⱱ	UPA modifier letter begin low tone; do not confuse with ʌ, modifier letter low left-stem tone bar, A716, or ʌ, Bopomofo modifier letter Yin departing tone mark, 02EA, or ʌ, left floor mathematical delimiter, 230A, or ʌ, bottom left quine corner, 231E, or ʌ, bottom left half bracket, 2E24
230A	ʌ	left floor mathematical delimiter; do not confuse with ʌ, modifier letter low left-stem tone bar, A716, or ʌ, Bopomofo modifier letter Yin departing tone mark, 02EA, or ʌ, UPA modifier letter begin low tone, 02FB, or ʌ, bottom left quine corner, 231E, or ʌ, bottom left half bracket, 2E24
231E	ⱱ	bottom left quine corner; do not confuse with ʌ, modifier letter low left-stem tone bar, A716, or ʌ, Bopomofo modifier letter Yin departing tone mark, 02EA, or ʌ, UPA modifier letter begin low tone, 02FB, or ʌ, left floor mathematical delimiter, 230A, or ʌ, bottom left half bracket, 2E24
2E24	ⱱ	bottom left half bracket; do not confuse with ʌ, modifier letter low left-stem tone bar, A716, or ʌ, Bopomofo modifier letter Yin departing tone mark, 02EA, or ʌ, UPA modifier letter begin low tone, 02FB, or ʌ, left floor mathematical delimiter, 230A, or ʌ, bottom left quine corner, 231E
2E02	⌈	left substitution bracket; used in some editions of the Greek New Testament
2E03	⌋	right substitution bracket; used in some editions of the Greek New Testament
2E04	⌈̇	left dotted substitution bracket; used in some editions of the Greek New Testament
2E05	⌋̇	right dotted substitution bracket; used in some editions of the Greek New Testament
2E08	⌚	dotted transposition marker; used in some editions of the Greek New Testament
2E09	⌚	left transposition bracket; used in some editions of the Greek New Testament
2E0A	⌚	right transposition bracket; used in some editions of the Greek New Testament
2E06	⌞	raised interpolation marker; used in some editions of the Greek New Testament
2E07	⌞̇	raised dotted interpolation marker; used in some editions of the Greek New Testament
2E0B	◻	raised square; used in some editions of the Greek New Testament as an opening raised omission bracket
033B	◻̘	combining square below; IPA laminal
02FF	←	UPA modifier letter low left arrow; this is a spacing character
034D	◻↔	combining left right arrow below
034E	◻↗	combining upwards arrow below
0362	◻→	combining double rightwards arrow below; typed between the two letters to which it belongs
2190	←	leftwards arrow; compare ↖, 261C, white left pointing index
2191	↑	upwards arrow; IPA upstep; compare ↗, 261D, white up pointing index; do not confuse with †, A71B, modifier letter raised up arrow
A71B	†	modifier letter raised up arrow; Africanist use, tone letter; do not confuse with ↑, 2191, upwards arrow
2192	→	rightwards arrow; compare ↘, 261E, white right pointing index

2193	↓	downwards arrow; IPA downstep; compare ¶, 261F, white down pointing index; do not confuse with ↓, A71C, modifier letter raised downwards arrow
A71C	↓	modifier letter raised down arrow; Africanist use, tone letter; do not confuse with ↓, 2193, downwards arrow
2194	↔	left right arrow
2195	↕	up down arrow
2196	↖	north west arrow
2197	↗	north east arrow; IPA global rise; compare ↗, 2650, sagittarius (zodiacal symbol)
2198	↘	south east arrow; IPA global fall
2199	↙	south west arrow
219A	↔	leftwards arrow with stroke
219B	↔	rightwards arrow with stroke
21D0	⇐	leftwards double arrow
21D2	⇒	rightwards double arrow
A71D	!	modifier letter raised exclamation mark; Africanist use, tone letter
A71E	!	modifier letter raised inverted exclamation mark; Africanist use, tone letter
A71F	!	modifier letter low inverted exclamation mark; Africanist use, tone letter
A789	:	modifier letter colon; used as a tone letter in some orthographies; do not confuse with the punctuation mark : colon, 003A, or with : modifier letter triangular colon, 02D0
A78A	=	modifier letter short equals sign; used as a tone letter in some orthographies; do not confuse with = double hyphen (a punctuation mark), 2E40, or with = equals sign, 003D, or with = Roman sextans sign, 10190
A78F	•	Latin letter sinological dot; used in transliteration of 'Phags-Pa and in phonetic transcription of Tangut; do not confuse with • middle dot, 00B7
A700	˘	modifier letter Chinese tone yin ping
A701	˙	modifier letter Chinese tone yang ping
A702	˘	modifier letter Chinese tone yin shang
A703	˙	modifier letter Chinese tone yang shang
A704	˘	modifier letter Chinese tone yin qu
A705	˙	modifier letter Chinese tone yang qu
A706	˘	modifier letter Chinese tone yin ru
A707	˙	modifier letter Chinese tone yang ru
A708	˘˘	modifier letter extra-high dotted tone bar; compare ˘, A70D; ˘, 02E5; ˘, A712
A709	˘˙	modifier letter high dotted tone bar; compare ˘, A70E; ˘, 02E6; ˘, A713
A70A	˘˙˙	modifier letter mid dotted tone bar; compare ˘, A70F; ˘, 02E7; ˘, A714
A70B	˘˙˙˙	modifier letter low dotted tone bar; compare ˘, A710; ˘, 02E8; ˘, A715
A70C	˘˘˘	modifier letter extra-low dotted tone bar; compare ˘, A711; ˘, 02E9; ˘, A716
A70D	˘˘˘˘	modifier letter extra-high dotted left-stem tone bar; compare ˘, A708; ˘, 02E5; ˘, A712
A70E	˘˘˘˙	modifier letter high dotted left-stem tone bar; compare ˘, A709; ˘, 02E6; ˘, A713
A70F	˘˘˘˙˙	modifier letter mid dotted left-stem tone bar; compare ˘, A70A; ˘, 02E7; ˘, A714

- A710 l. modifier letter low dotted left-stem tone bar; compare ı, A70B; ı, 02E8; ı, A715  
 A711 l. modifier letter extra-low dotted left-stem tone bar; compare ı, A70C; ı, 02E9; ı, A716

### Digits, numbers, and mathematical operators, plus similarly-shaped characters

- 0030 0 digit zero  
 2070 0<sup>0</sup> superscript zero  
 2080 0<sub>0</sub> subscript zero  
 1F100 0. digit zero full stop  
 24EA ① circled digit zero  
 0031 1 digit one  
 00B9 1<sup>1</sup> superscript one  
 2081 1<sub>1</sub> subscript one  
 215F 1/ fraction numerator one  
 2488 1. digit one full stop  
 2474 (1) parenthesized digit one  
 2460 ① circled digit one  
 0032 2 digit two  
 00B2 2<sup>2</sup> superscript two; squared  
 2082 2<sub>2</sub> subscript two  
 2489 2. digit two full stop  
 2475 (2) parenthesized digit two  
 2461 ② circled digit two  
 01BB 2 two with stroke: archaic phonetic for [dz] affricate; no uppercase  
 0033 3 digit three  
 00B3 3<sup>3</sup> superscript three; cubed  
 2083 3<sub>3</sub> subscript three  
 248A 3. digit three full stop  
 2476 (3) parenthesized digit three  
 2462 ③ circled digit three  
 A76B 3 lowercase abbreviation et; also used in the -q3 (-que) abbreviation; do not confuse with digit 3  
 0034 4 digit four  
 2074 4<sup>4</sup> superscript four  
 2084 4<sub>4</sub> subscript four  
 248B 4. digit four full stop  
 2477 (4) parenthesized digit four  
 2463 ④ circled digit four  
 0035 5 digit five  
 2075 5<sup>5</sup> superscript five  
 2085 5<sub>5</sub> subscript five

248C	5.	digit five full stop
2478	(5)	parenthesized digit five
2464	⑤	circled digit five
01BD	Ⓟ	Zhuang tone five; uppercase is 5, 01BC
01BC	Ⓟ	Zhuang tone five; lowercase is 5, 01BD
0036	6	digit six
2076	<sup>6</sup>	superscript six
2086	<sub>6</sub>	subscript six
248D	6.	digit six full stop
2479	(6)	parenthesized digit six
2465	⑥	circled digit six
0037	7	digit seven
2077	<sup>7</sup>	superscript seven
2087	<sub>7</sub>	subscript seven
248E	7.	digit seven full stop
247A	(7)	parenthesized digit seven
2466	⑦	circled digit seven
0038	8	digit eight
2078	<sup>8</sup>	superscript eight
2088	<sub>8</sub>	subscript eight
248F	8.	digit eight full stop
247B	(8)	parenthesized digit eight
2467	⑧	circled digit eight
0039	9	digit nine
2079	<sup>9</sup>	superscript nine
2089	<sub>9</sub>	subscript nine
2490	9.	digit nine full stop
247C	(9)	parenthesized digit nine
2468	⑨	circled digit nine
A76F	9	lowercase abbreviation con
A770	<sup>9</sup>	superscript modifier letter us (abbreviation)
1DD2	◌̆	combining 'us' above; medievalist use
A76E	9	uppercase abbreviation CON
2491	10.	number ten full stop
247D	(10)	parenthesized number ten
2469	⑩	circled number ten
2492	11.	number eleven full stop
247E	(11)	parenthesized number eleven
246A	⑪	circled number eleven
2493	12.	number twelve full stop

247F	(12)	parenthesized number twelve
246B	⑫	circled number twelve
2494	13.	number thirteen full stop
2480	(13)	parenthesized number thirteen
246C	⑬	circled number thirteen
2495	14.	number fourteen full stop
2481	(14)	parenthesized number fourteen
246D	⑭	circled number fourteen
2496	15.	number fifteen full stop
2482	(15)	parenthesized number fifteen
246E	⑮	circled number fifteen
2497	16.	number sixteen full stop
2483	(16)	parenthesized number sixteen
246F	⑯	circled number sixteen
2498	17.	number seventeen full stop
2484	(17)	parenthesized number seventeen
2470	⑰	circled number seventeen
2499	18.	number eighteen full stop
2485	(18)	parenthesized number eighteen
2471	⑱	circled number eighteen
249A	19.	number nineteen full stop
2486	(19)	parenthesized number nineteen
2472	⑲	circled number nineteen
249B	20.	number twenty full stop
2487	(20)	parenthesized number twenty
2473	⑳	circled number twenty
2152	$\frac{1}{10}$	
2151	$\frac{1}{9}$	
215B	$\frac{1}{8}$	
2150	$\frac{1}{7}$	
2159	$\frac{1}{6}$	
2155	$\frac{1}{5}$	
00BC	$\frac{1}{4}$	
2153	$\frac{1}{3}$	
215C	$\frac{3}{8}$	
2156	$\frac{2}{5}$	
00BD	$\frac{1}{2}$	
2157	$\frac{3}{5}$	
215D	$\frac{5}{8}$	
2154	$\frac{2}{3}$	

00BE	¾	
2158	⅘	
215A	⅚	
215E	⅞	
0025	%	percent sign; do not confuse with ‰, 2052, commercial minus sign
2052	‰	commercial minus sign; do not confuse with %, 0025, percent sign
2030	‰	per mille sign
2031	‰	permyriad, per ten thousand sign
2160	I	roman numeral one
2170	i	small roman numeral one
2161	II	roman numeral two
2171	ii	small roman numeral two
2162	III	roman numeral three
2172	iii	small roman numeral three
2163	IV	roman numeral four
2173	iv	small roman numeral four
2164	V	roman numeral five
2174	v	small roman numeral five
2165	VI	roman numeral six
2175	vi	small roman numeral six
2185	Ç	roman numeral six late form
2166	VII	roman numeral seven
2176	vii	small roman numeral seven
2167	VIII	roman numeral eight
2177	viii	small roman numeral eight
2168	IX	roman numeral nine
2178	ix	small roman numeral nine
2169	X	roman numeral ten
2179	x	small roman numeral ten
216A	XI	roman numeral eleven
217A	xi	small roman numeral eleven
216B	XII	roman numeral twelve
217B	xii	small roman numeral twelve
216C	L	roman numeral fifty
2186	I	roman numeral fifty early form
217C	l	small roman numeral fifty
216D	C	roman numeral one hundred
217D	c	small roman numeral one hundred

2183	↵	roman numeral reversed one hundred; apostrophic c; do not confuse with Ɔ, uppercase open O, 0186; Claudian antisigma; used in combination with C, 216D, and I, 2160, to form large numbers
2184	↶	Latin small letter reversed c; used only for the Claudian letter in inscriptions when editorial conventions require the use of a lowercase letter
216E	D	roman numeral five hundred
217E	d	small roman numeral five hundred
216F	M	roman numeral one thousand
217F	m	small roman numeral one thousand
2180	↵	roman numeral one thousand CD
2181	↶	roman numeran five thousand
2182	↷	roman numeral ten thousand
2187	↸	roman numeral fifty thousand
2188	↹	roman numeral one hundred thousand
10198	HS	Roman sestertius sign
10199	H	Roman dupondius sign
002B	+	plus sign
207A	+	superscript plus sign
208A	+	subscript plus sign
2212	-	minus sign; do not confuse with −, 10191, Roman uncia sign
207B	-	superscript minus
208B	-	subscript minus
00B1	±	plus-minus sign; see also ∓ minus-or-plus sign, 2213
2213	∓	minus-or-plus sign
00F7	÷	division sign
00D7	×	multiplication sign
22C5	·	dot operator; in mathematics preferred to middle dot · 00B7 for denotation of multiplication
22A1	◻	squared dot operator
003D	=	equals sign; do not confuse with =, 10190, Roman sextans sign, or with =, A78A, modifier letter short equals sign, or with =, 2E40, double hyphen (a punctuation mark), or with = double oblique hyphen, 2E17
2260	≠	not equal to
207C	=	superscript equals sign
208C	=	subscript equals sign
0347	⚭	combining equals sign below
10190	=	Roman sextans sign; do not confuse with =, 003D, equals sign, or with =, A78A, modifier letter short equals sign, or with =, 2E40, double hyphen (a punctuation mark), or with = double oblique hyphen, 2E17



A78A	=	modifier letter short equals sign; used as a tone letter in some orthographies; do not confuse with = double hyphen (a punctuation mark), 2E40, or with = equals sign, 003D, or with = Roman sextans sign, 10190, or with ≠ double oblique hyphen, 2E17
02ED	ˆ	IPA modifier letter unaspirated
2017	⏟	double low line
225D	≡	equal to by definition
2245	≈	approximately equal to
2246	≇	approximately but not actually equal to
2247	≉	neither approximately nor actually equal to
2248	≈	almost equal to
2249	≉	not almost equal to
003C	<	less-than sign; correct characters for angle brackets are ⟨ ⟩, 27E8 and 27E9
003E	>	greater-than sign; correct characters for angle brackets are ⟨ ⟩, 27E8 and 27E9
2264	≤	less-than or equal to
2265	≥	greater-than or equal to
226E	⋈	not less-than
226F	⋉	not greater-than
2270	⋊	neither less-than nor equal to
2271	⋋	neither greater-than nor equal to
00AC	¬	NOT sign
2310	⌊	reversed NOT sign; beginning of line (computer science)
2200	∀	universal quantifier; see also ∧, 22C0
2203	∃	existential quantifier, existential operator; see also ∨, 22C1
2204	∄	non-existence quantifier
2208	∈	is an element of
2209	∉	is not an element of
220B	∋	contains as member
220C	∌	does not contain as member
2227	∧	logical conjunction
2228	∨	logical disjunction
22C0	∧	n-ary logical and; see also ∇, 2200
22C1	∨	n-ary logical or; see also ∃, 2203
2229	∩	intersection in set theory
222A	∪	union in set theory
2282	⊂	subset of; do not confuse with ⊃, left sideways U bracket, 2E26
2283	⊃	superset of; do not confuse with ⊂, right sideways U bracket, 2E27
2284	⊄	not a subset of
2285	⊇	not a superset of
2286	⊆	subset of or equal to
2287	⊇	superset of or equal to

2288	$\not\subseteq$	neither a subset of nor equal to
2289	$\not\supseteq$	neither a superset of nor equal to
22B2	$\triangleleft$	normal subgroup of
22B3	$\triangleright$	contains as normal subgroup
2216	$\setminus$	set minus, set difference; compare backslash (reverse solidus) $\backslash$ , 005C
22C4	$\diamond$	diamond operator; see also lozenge $\lozenge$ , 25CA, and white diamond $\whitebox$ , 25C7
25CA	$\lozenge$	lozenge; possibility in modal logic; see also white diamond $\whitebox$ , 25C7, and diamond operator $\diamond$ , 22C4
25A1	$\square$	white square; various applications in logic; see also ballot box $\square$ , 2610
220E	$\blacksquare$	end of proof; see also black square $\blacksquare$ , 25A0
22A2	$\vdash$	right tack; turnstile; proves, implies, yields; reducible
22A3	$\dashv$	left tack; reverse turnstile; non-theorem, does not yield
22A4	$\top$	down tack, 'tee'; tautology: 'top', truth, verum
22A5	$\perp$	up tack; contradiction: 'bottom', falsity, falsum
22A7	$\models$	models
22A8	$\vDash$	true
21D4	$\Leftrightarrow$	left right double arrow; if and only if, 'iff'
223C	$\sim$	tilde operator; negation, not; do not confuse with $\tilde{\sim}$ , tilde, 007E, or with $\sim$ , swung dash, 2053
2241	$\not\sim$	not tilde
221A	$\sqrt{\quad}$	
221E	$\infty$	
221F	$\llcorner$	
2220	$\lrcorner$	
2221	$\llcorner$	
2222	$\llcorner$	
222B	$\int$	integral (mathematical sign); do not confuse with $\int$ , 0283, lowercase esh
2202	$\partial$	partial differential
2206	$\Delta$	mathematical difference or increment operator, or Laplace operator; symmetric difference; do not confuse with $\Delta$ , 0394, Greek uppercase Delta
00B5	$\mu$	micro sign; do not confuse with $\mu$ , 03BC, Greek lowercase mu
220F	$\prod$	n-ary product
2211	$\sum$	n-ary summation
228F	$\square$	square image of (mathematical sign)
2290	$\square$	square original of (mathematical sign)
2295	$\oplus$	circled plus (mathematical sign)
2296	$\ominus$	circled minus (mathematical sign)
2297	$\otimes$	circled times (mathematical sign)
229D	$\ominus$	circled dash (mathematical sign)

**Punctuation marks, plus similarly-shaped characters**

0020	space
00A0	NBSP, no-break space
202F	NNBSP, narrow no-break space
002C	, comma; do not confuse with , (201A) single low-9 quotation mark; compare , (2E12), ancient Greek ὑποδιαστολή
2E34	, raised comma
2E4C	∴ medieval comma
2E4E	∴ punctus elevatus mark
002E	. full stop
2E33	· raised dot; position intermediate between full stop and middle dot
00B7	· middle dot; also used as the Greek high dot (ἄνω τελεία); do not confuse with • Latin letter sinological dot, A78F, or with · word separator middle dot, 2E31; see also • dot operator, 22C5, which in mathematics is preferred for denotation of multiplication
2E31	· word separator middle dot; do not confuse with • 00B7, middle dot
2022	• bullet
2024	. one dot leader
2025	.. two dot leader
2026	... horizontal ellipsis
2027	· hyphenation point
2023	◊ triangular bullet
02D1	◌ modifier letter half triangular colon; IPA half-length mark
003A	: colon; do not confuse with : modifier letter colon, A789, or with : modifier letter triangular colon, 02D0
02F8	∴ UPA modifier letter raised colon; this is not a punctuation mark
205A	∴ two dot punctuation; do not confuse with ∴, 1015B, Greek epigraphic Epidaurean 2
02D0	∴ modifier letter triangular colon; IPA length mark; do not confuse with punctuation mark ∴ colon, 003A, or with ∴ modifier letter colon, A789
003B	; semicolon; also used as the Greek question mark
204F	∴ reversed semicolon
2E35	∴ turned semicolon
205D	∴ tricolon
205E	∴ vertical four dots
2E3D	∴ vertical six dots
2056	∴ three dot punctuation
2E2A	∴ two dots over one dot punctuation
2235	∴ because (mathematical sign)
2E2B	∴ one dot over two dots punctuation
2234	∴ therefore (mathematical sign)
2058	∴ four dot punctuation

205B	∴	four dot mark; textual highlighter or colophon
2E2C	::	squared four dot punctuation
2237	::	proportion (mathematical sign)
2059	::	five dot punctuation; Greek πεντόγχιον; quincunx
2E2D	⋈	five dot mark
205C	⋈	dotted cross
203B	⌘	ancient Greek ἀστερίσκος
002A	*	asterisk
204E	*	low asterisk
2055	*	flower punctuation mark
2051	⌘	two asterisks aligned vertically
2042	⌘	asterism
22C6	★	star operator (mathematical sign); when set superscript, linguistic symbol denoting a hypothetical word form
003F	?	question mark
00BF	¿	inverted question mark
2E2E	؟	reversed question mark; punctus percontativus
2047	??	double question mark
2048	?!	question exclamation mark
2049	!?	exclamation question mark
203D	‽	interrobang
0021	!	exclamation mark; do not confuse with !, 01C3, alveolar click; compare !, A71D, modifier letter raised exclamation mark (Africanist use, tone letter)
01C3	!	alveolar click; see also ɕ, 0297; no uppercase; do not confuse with the exclamation mark ! (0021); compare !, A71D, modifier letter raised exclamation mark (Africanist use, tone letter)
00A1	¡	inverted exclamation mark; compare ¡, A71E, modifier letter raised inverted exclamation mark and , A71F, modifier letter low inverted exclamation mark (Africanist use, tone letters)
203C	!!	double exclamation mark
00B6	¶	pilcrow, paragraph sign
204B	⌘	reversed pilcrow sign
2E4D	Ɔ	paragraphus mark
002D	-	hyphen; minus; compare the dedicated hyphen (2012) and minus (2212) signs
00AD	-	discretionary hyphen
2010	-	hyphen
2011	-	non-breaking hyphen
2E17	≈	double oblique hyphen
2E4F	≈	Cornish verse divider

- 2E40 = double hyphen; used in transcription of old German mss.; “not intended for the representation of normal hyphens, whose doubled forms in Fraktur text are considered glyphic variants” (remark in Unicode code chart); do not confuse with = modifier letter short equals sign, A78A, or with = equals sign, 003D, or with = Roman sextans sign, 10190
- 2043 ▪ hyphen bullet
- 2012 – figure dash; do not confuse with –, 10191, Roman uncia sign
- 2013 – EN dash; ancient Greek ὀβελός; metrical long; do not confuse with –, 10191, Roman uncia sign
- 10191 – Roman uncia sign; do not confuse with –, 2012, figure dash, and –, 2013, EN dash
- 2014 — EM dash
- 2E3A — two-em dash (omission dash)
- 2E3B — three-em dash
- 0028 ( left parenthesis
- 207D ( superscript left parenthesis
- 208D ( subscript left parenthesis
- 0029 ) right parenthesis
- 207E ) superscript right parenthesis
- 208E ) subscript right parenthesis
- 2E28 (( left double parenthesis
- 2E29 )) right double parenthesis
- 10195 » Roman siliqua sign
- 005B [ left square bracket
- 005D ] right square bracket
- 27E6 [[ mathematical left white square bracket; also used as an editorial sign
- 27E7 ]] mathematical right white square bracket; also used as an editorial sign
- 2045 { left square bracket with quill
- 2046 } right square bracket with quill
- 2E20 † left vertical bar with quill; Nordic editorial mark: †deletion‡ in ms., and †dittography‡
- 2E21 ‡ right vertical bar with quill; Nordic editorial mark: †deletion‡ in ms., and †dittography‡
- 27E8 < mathematical left angle bracket; also used as an editorial sign (and as such preferred over <, 003C, less-than sign); another shape < is available in Stylistic Set 5
- 27E9 > mathematical right angle bracket; also used as an editorial sign (and as such preferred over >, 003E, greater-than sign); another shape > is available in Stylistic Set 5
- 27EA ‹‹ mathematical left double angle bracket; ‹‹ ›› are used in Latin epigraphy to mark text that is conjectured to have stood before a deletion took place
- 27EB ›› mathematical right double angle bracket; ‹‹ ›› are used in Latin epigraphy to mark text that is conjectured to have stood before a deletion took place
- 007B { left curly bracket, left brace
- 007D } right curly bracket, right brace

2E26	⊂	left sideways U bracket; do not confuse with ⊂, subset of, 2282
2E27	⊃	right sideways U bracket; do not confuse with ⊃, superset of, 2283
2E0C	⋈	left raised omission bracket; used in some editions of the Greek New Testament as an opening or closing raised omission bracket
2E0D	⋉	right raised omission bracket; used in some editions of the Greek New Testament as an opening or closing raised omission bracket
002F	/	solidus, slash
2E4A	/̇	dotted solidus = virgula suspensiva; indicates a medial disjunction more than solidus but less than punctus elevatus
2044	/	fraction slash, solidus
2215	/	division slash
1019A	†	Roman as sign
1019B	⤵	Roman centurial sign
005C	\	reverse solidus, backslash; see also \, 2216, set minus
007C		vertical line, vertical bar; do not confuse with  , 01C0, dental click, which is a letter and not a punctuation mark
01C0		dental click; see also  , 0287; no uppercase; do not confuse with  , 007C, vertical bar, which is a punctuation mark
01C2	‡	palatal click; see also ‡, 0297; no uppercase
00A6	‡	broken bar
2E3E	⋈	wiggly vertical line
2016		double vertical line; do not confuse with   , 01C1, lateral click, which is a letter and not a punctuation mark
01C1		lateral click; see also  , 0296; no uppercase; do not confuse with   , 2016, double vertical line, which is a punctuation mark
2980		triple vertical bar delimiter
0027	'	apostrophe; neutral (vertical) glyph with mixed usage; ' (2019) is preferred for apostrophe; preferred characters in English for paired single quotation marks are ‘ (2018) and ’ (2019); do not confuse with ', 02B9, modifier letter prime
02B9	'	modifier letter prime; indicates primary stress [compare 02C8]; also a transliteration of the Cyrillic soft sign; do not confuse with ', 0020, apostrophe
2032	'	prime; do not confuse with ', 00B4, spacing acute accent, or with ', 02CA, modifier letter acute accent, or with ', 0374, Greek numeral sign, δεξιά κεραία
2035	`	reversed prime; do not confuse with `, 0060, grave accent, or with `, 02CB, modifier letter grave accent
2018	‘	left single quotation mark
2019	’	right single quotation mark
201A	,	single low-9 quotation mark; do not confuse with the comma, 002C
201B	‘	single high-reversed-9 quotation mark

0022	"	quotation mark; neutral (vertical), used as opening or closing quotation mark; preferred characters in English for paired double quotation marks are “ (201C) and ” (201D)
201C	“	left double quotation mark
201D	”	right double quotation mark; do not confuse with ”, Nenets modifier letter double apostrophe, 02EE
02EE	”	Nenets modifier letter double apostrophe; do not confuse with ”, right double quotation mark, 201D
201E	„	double low-9 quotation mark
201F	“	double high-reversed-9 quotation mark
2033	”	double prime
02BA	"	modifier letter double prime; exaggerated/contrastive stress; transliteration of Cyrillic hard sign
2034	'''	triple prime
2057	''''	quadruple prime
2036	˝	reversed double prime
2037	˝	reversed triple prime
2038	^	caret; compare ˆ (2041), caret insertion point
2039	<	single left-pointing angle quotation mark
203A	>	single right-pointing angle quotation mark
00AB	«	left-pointing double angle quotation mark
00BB	»	right-pointing double angle quotation mark
204C	•	black leftwards bullet
204D	•	black rightwards bullet
2050	⏟	close up: editing mark
2041	ˆ	caret insertion point; proofreader's mark: insert here; compare ˆ (2038), caret

### Various symbols including currency signs

0023	#	number sign; hash
00A4	¤	currency sign
20BF	₿	Bitcoin sign
0024	\$	Dollar sign
00A2	¢	cent sign; do not confuse with ¢, 023C, lowercase c with stroke
20AB	₫	Dong sign (Vietnam)
20AC	€	Euro sign
0192	f	(former) Dutch guilder
20B4	₴	Hryvnia sign (Ukraine)
20BA	₺	Lira sign (Turkey)
20B6	₣	livre tournois; pre-Revolutionary French unit of account
00A3	£	Pound sign; also (former Italian) Lira; compare £, 10192, Roman semuncia sign

20BD	₽	Ruble sign (Russia)
20B9	₹	Indian Rupee sign
211E	R	recipe; cross ratio
00A5	¥	Yen (Japan), Yuan (China) sign
0026	&	ampersand
204A	ʔ	Tironian sign 'et'
A76B	₧	lowercase abbreviation 'et'; also used in the -q₃ (-que) abbreviation; do not confuse with lowercase yogh, ʒ, 021D, or with digit 3
A76A	₧	uppercase abbreviation ET; do not confuse with uppercase yogh, ʒ, 021C, or with digit 3
00A7	§	section sign
25C7	◊	white diamond; see also lozenge ◊, 25CA, which is used as a logical symbol; and diamond operator ◊, 22C4
25A0	■	black square; see also end of proof ■, 220E
2610	☐	ballot box; checkbox; see also white square ☐, 25A1, which is used as a logical symbol
2135	א	alef symbol; do not use for Hebrew text
2136	ב	bet symbol; do not use for Hebrew text
214F	Ⲁ	symbol for Samaritan source
2312	∩	arc
25DC	∩	upper left quadrant circular arc
25DD	∩	upper right quadrant circular arc
25DE	∩	lower right quadrant circular arc
25DF	∩	lower left quadrant circular arc
23D1	˘	metrical breve
23D2	˘	metrical long over short
23D3	˘	metrical short over long
23D4	˘	metrical long over two shorts
23D5	˘	metrical two shorts over long
23D6	˘	metrical two shorts joined
23D7	⏏	metrical triseme
23D8	⏏	metrical tetraseme
23D9	⏏	metrical pentaseme
261C	☞	white left pointing index
261D	☝	white up pointing index
261E	☞	white right pointing index; fist (typographic term)
261F	☚	white down pointing index
2020	†	dagger
2021	‡	double dagger
2E4B	‡	triple dagger
271D	†	Latin cross



271F	†	outlined Latin cross
2670	†	West Syriac cross
2671	†	East Syriac cross
2720	✠	Maltese cross
2626	†	orthodox cross
2627	✠	khi rho, Christogram
2628	†	cross of Lorraine
2629	†	cross of Jerusalem
2721	✡	star of David
262A	☉	star and crescent
262B	☪	Farsi symbol
2638	☸	wheel of dharma
262C	☉	ādi śakti or khaṇḍā
263D	☾	first quarter moon
263E	☾	last quarter moon
263F	♿	Mercury
2640	♀	female sign; Venus
2641	♁	earth
2642	♂	male sign; Mars
2643	♃	Jupiter
2644	♄	Saturn
2645	♅	Uranus
2646	♆	Neptune
2647	♇	Pluto
2648	♈	Aries (zodiacal symbol)
2649	♉	Taurus (zodiacal symbol)
264A	♊	Gemini (zodiacal symbol)
264B	♋	Cancer (zodiacal symbol)
264C	♌	Leo (zodiacal symbol)
264D	♍	Virgo (zodiacal symbol)
264E	♎	Libra (zodiacal symbol)
264F	♏	Scorpio (zodiacal symbol)
2650	♐	Sagittarius (zodiacal symbol)
2651	♑	Capricorn (zodiacal symbol)
2652	♒	Aquarius (zodiacal symbol)
2653	♓	Pisces (zodiacal symbol)
267E	☎	permanent paper sign
2693	⚓	anchor; harbor (on maps)
2694	⚔	crossed swords; battleground (on maps)
26AD	⚗	marriage symbol

2E19  palm branch; used as a separator

### Greek

03B1	α	lowercase alpha
03AC	ά	lowercase alpha with τόνος; also the preferred character for alpha with acute accent; the use of ά, 1F71, for alpha with acute accent, even in ancient texts, is dissuaded
1F71	ά	lowercase alpha with acute accent (όξειά); ά, 03AC, is the preferred character
1F70	ὰ	lowercase alpha with grave accent (βαρεία)
1FB6	ἄ	lowercase alpha with circumflex accent (περισπωμένη)
1F00	ᾶ	lowercase alpha with smooth breathing (ψιλή)
1F01	ἶ	lowercase alpha with rough breathing (δασεία)
1FB0	ἄ̆	lowercase alpha with breve (βραχύ)
1FB1	ἄ̄	lowercase alpha with macron (μακρόν)
1F04	ἄ̇	lowercase alpha with smooth breathing and acute accent
1F05	ἶ̇	lowercase alpha with rough breathing and acute accent
1F02	ἄ̈	lowercase alpha with smooth breathing and grave accent
1F03	ἶ̈	lowercase alpha with rough breathing and grave accent
1F06	ἄ̉	lowercase alpha with smooth breathing and circumflex accent
1F07	ἶ̉	lowercase alpha with rough breathing and circumflex accent
1FB3	αῖ	lowercase alpha with iota subscript (ύπογεγραμμένη)
1FB4	άῖ	lowercase alpha with acute accent and iota subscript
1FB2	ὰῖ	lowercase alpha with grave accent and iota subscript
1FB7	ἄῖ	lowercase alpha with circumflex accent and iota subscript
1F80	ᾶῖ	lowercase alpha with smooth breathing and iota subscript
1F81	ἶῖ	lowercase alpha with rough breathing and iota subscript
1F84	ἄῖ̇	lowercase alpha with smooth breathing and acute accent and iota subscript
1F85	ἶῖ̇	lowercase alpha with rough breathing and acute accent and iota subscript
1F82	ἄῖ̈	lowercase alpha with smooth breathing and grave accent and iota subscript
1F83	ἶῖ̈	lowercase alpha with rough breathing and grave accent and iota subscript
1F86	ἄῖ̉	lowercase alpha with smooth breathing and circumflex accent and iota subscript
1F87	ἶῖ̉	lowercase alpha with rough breathing and circumflex accent and iota subscript
0391	Α	uppercase Alpha
0386	Ά	uppercase Alpha with τόνος; also the preferred character for Alpha with acute accent; the use of Ά, 1FBB, for alpha with acute accent, even in ancient texts, is dissuaded
1FBB	Ά	uppercase Alpha with acute accent (όξειά); Ά, 0386, is the preferred character
1FBA	Ἄ	uppercase Alpha with grave accent (βαρεία)
1F08	Ἄ	uppercase Alpha with smooth breathing (ψιλή)
1F09	ἶ	uppercase Alpha with rough breathing (δασεία)
1FB8	Ἄ̆	uppercase Alpha with breve (βραχύ)
1FB9	Ἄ̄	uppercase Alpha with macron (μακρόν)

1F0C	Ᾱ	uppercase Alpha with smooth breathing and acute accent
1F0D	ῶ	uppercase Alpha with rough breathing and acute accent
1F0A	Ἲ	uppercase Alpha with smooth breathing and grave accent
1F0B	ῶ	uppercase Alpha with rough breathing and grave accent
1F0E	Ῐ	uppercase Alpha with smooth breathing and circumflex accent
1F0F	Ῐ	uppercase Alpha with rough breathing and circumflex accent
1FBC	Αἶ	uppercase Alpha with iota adscript (προσγεγραμμένη)
1F88	Ἲ	uppercase Alpha with smooth breathing and iota adscript
1F89	ῶ	uppercase Alpha with rough breathing and iota adscript
1F8C	Ᾱἶ	uppercase Alpha with smooth breathing and acute accent and iota adscript
1F8D	ῶἶ	uppercase Alpha with rough breathing and acute accent and iota adscript
1F8A	Ἲἶ	uppercase Alpha with smooth breathing and grave accent and iota adscript
1F8B	ῶἶ	uppercase Alpha with rough breathing and grave accent and iota adscript
1F8E	Ῐἶ	uppercase Alpha with smooth breathing and circumflex accent and iota adscript
1F8F	Ῐἶ	uppercase Alpha with rough breathing and circumflex accent and iota adscript
03B2	β	lowercase beta; IPA voiced bilabial fricative
03D0	Ϸ	curled beta symbol; not used for Greek text
10178	Ϸ	three quarters sign (papyri)
0392	Β	uppercase Beta
03B3	γ	lowercase gamma
0393	Γ	uppercase Gamma
10184	Ϝ	rounkia sign (papyri)
10188	ϝ	gamma sign (papyri)
03B4	δ	lowercase delta
0394	Δ	uppercase Delta; do not confuse with mathematical Δ, 2206, difference or increment operator, or Laplace operator
		<b>character variant</b>
	Δ	(for use as an acrophonic numeral) use Stylistic Set 03
03B5	ε	lowercase epsilon
03F5	ϵ	lunate epsilon symbol; not used for Greek text
03F6	Ϸ	reversed lunate epsilon symbol; not used for Greek text
03AD	έ	lowercase epsilon with τόνος; also the preferred character for epsilon with acute accent; the use of έ, 1F73, for epsilon with acute accent, even in ancient texts, is dissuaded
1F73	έ	lowercase epsilon with acute accent (όξεια); έ, 03AD, is the preferred character
1F72	ε̂	lowercase epsilon with grave accent (βαρεία)
1F10	ἐ	lowercase epsilon with smooth breathing (ψιλή)
1F11	ε̃	lowercase epsilon with rough breathing (δασεία)
1F14	ε̇	lowercase epsilon with smooth breathing and acute accent
1F15	ε̈	lowercase epsilon with rough breathing and acute accent

1F12	Ἔ	lowercase epsilon with smooth breathing and grave accent
1F13	Ἐ	lowercase epsilon with rough breathing and grave accent
0395	Ε	uppercase Epsilon
0388	Έ	uppercase Epsilon with τόνος; also the preferred character for Epsilon with acute accent; the use of Έ, 1FC9, for Epsilon with acute accent, even in ancient texts, is dissuaded
1FC9	Ε	uppercase Epsilon with acute accent (ὀξεῖα); Έ, 0388, is the preferred character
1FC8	Ἐ	uppercase Epsilon with grave accent (βαρεῖα)
1F18	Ἐ	uppercase Epsilon with smooth breathing (ψιλή)
1F19	Ἐ	uppercase Epsilon with rough breathing (δασεία)
1F1C	Ἔ	uppercase Epsilon with smooth breathing and acute accent
1F1D	Ἐ	uppercase Epsilon with rough breathing and acute accent
1F1A	Ἐ	uppercase Epsilon with smooth breathing and grave accent
1F1B	Ἐ	uppercase Epsilon with rough breathing and grave accent
03DD	Ϝ	lowercase wau (or digamma)
10181	ⲉ	metretes sign (papyri)
1017E	Ϝ	three obols sign (papyri)
1017F	ϝ	four obols sign (papyri)
10180	Ϟ	five obols sign (papyri)
03DC	Ϝ	uppercase Wau (or Digamma)
03B6	ζ	lowercase zeta
0396	Z	uppercase Zeta
03B7	η	lowercase eta
03AE	ή	lowercase eta with τόνος; also the preferred character for eta with acute accent; the use of ή, 1F75, for eta with acute accent, even in ancient texts, is dissuaded
1F75	ή	lowercase eta with acute accent (ὀξεῖα); ή, 03AE, is the preferred character
1F74	ἠ	lowercase eta with grave accent (βαρεῖα)
1FC6	ῆ	lowercase eta with circumflex accent (περισπωμένη)
1F20	ἠ	lowercase eta with smooth breathing (ψιλή)
1F21	ἠ	lowercase eta with rough breathing (δασεία)
1F24	ῆ	lowercase eta with smooth breathing and acute accent
1F25	ἠ	lowercase eta with rough breathing and acute accent
1F22	ῆ	lowercase eta with smooth breathing and grave accent
1F23	ἠ	lowercase eta with rough breathing and grave accent
1F26	ῆ	lowercase eta with smooth breathing and circumflex accent
1F27	ἠ	lowercase eta with rough breathing and circumflex accent
1FC3	ἦ	lowercase eta with iota subscript (ὑπογεγραμμένη)
1FC4	ῆ	lowercase eta with acute accent and iota subscript
1FC2	ἠ	lowercase eta with grave accent and iota subscript
1FC7	ῆ	lowercase eta with circumflex accent and iota subscript

1F90	ḥ̇	lowercase eta with smooth breathing and iota subscript
1F91	ḥ̇̃	lowercase eta with rough breathing and iota subscript
1F94	ḥ̇́	lowercase eta with smooth breathing and acute accent and iota subscript
1F95	ḥ̇̃́	lowercase eta with rough breathing and acute accent and iota subscript
1F92	ḥ̇̀	lowercase eta with smooth breathing and grave accent and iota subscript
1F93	ḥ̇̃̀	lowercase eta with rough breathing and grave accent and iota subscript
1F96	ḥ̇̂	lowercase eta with smooth breathing and circumflex accent and iota subscript
1F97	ḥ̇̃̂	lowercase eta with rough breathing and circumflex accent and iota subscript
0397	H	uppercase Eta
		<b>character variant</b>
	H	(for use as an acrophonic numeral) use Stylistic Set 03
0389	Ḥ	uppercase Eta with τόνος; also the preferred character for Eta with acute accent; the use of Ḥ, 1FCB, for Eta with acute accent, even in ancient texts, is dissuaded
1FCB	Ḥ	uppercase Eta with acute accent (ὄξεια); Ḥ, 0389, is the preferred character
1FCA	Ḥ̀	uppercase Eta with grave accent (βαρεία)
1F28	Ḥ̇	uppercase Eta with smooth breathing (ψιλή)
1F29	Ḥ̇̃	uppercase Eta with rough breathing (δασεία)
1F2C	Ḥ̇́	uppercase Eta with smooth breathing and acute accent
1F2D	Ḥ̇̃́	uppercase Eta with rough breathing and acute accent
1F2A	Ḥ̇̀	uppercase Eta with smooth breathing and grave accent
1F2B	Ḥ̇̃̀	uppercase Eta with rough breathing and grave accent
1F2E	Ḥ̇̂	uppercase Eta with smooth breathing and circumflex accent
1F2F	Ḥ̇̃̂	uppercase Eta with rough breathing and circumflex accent
1FCC	Hι	uppercase Eta with iota adscript (προσγεγραμμένη)
1F98	Ḥι	uppercase Eta with smooth breathing and iota adscript
1F99	Ḥι̃	uppercase Eta with rough breathing and iota adscript
1F9C	Ḥί	uppercase Eta with smooth breathing and acute accent and iota adscript
1F9D	Ḥι̃́	uppercase Eta with rough breathing and acute accent and iota adscript
1F9A	Ḥὶ	uppercase Eta with smooth breathing and grave accent and iota adscript
1F9B	Ḥι̃̀	uppercase Eta with rough breathing and grave accent and iota adscript
1F9E	Ḥι̂	uppercase Eta with smooth breathing and circumflex accent and iota adscript
1F9F	Ḥι̃̂	uppercase Eta with rough breathing and circumflex accent and iota adscript
0371	ϒ	lowercase heta
0370	Ϛ	uppercase Heta
		<b>character variant</b>
	H	(for use as an acrophonic numeral) use Stylistic Set 03
03B8	θ	lowercase theta
0398	Θ	uppercase Theta
03D1	ϑ	script theta symbol; not used for Greek text
03F4	Θ	uppercase Theta symbol; not used for Greek text

03B9	ι	lowercase iota
1FBE	ι	adscript iota (προσγεγραμμένη); do not use for Greek text but always input regular iota, 03B9
037A	ι	spacing iota subscript (spacing υπογεγραμμένη); compare combining subscript iota, 0345
0345	ι	combining iota subscript (combining υπογεγραμμένη); compare spacing iota subscript, 037A
03AF	ί	lowercase iota with τόνος; also the preferred character for iota with acute accent; the use of ί, 1F77, for iota with acute accent, even in ancient texts, is dissuaded
1F77	ί	lowercase iota with acute accent (όξειά); ί, 03AF, is the preferred character
1F76	ì	lowercase iota with grave accent (βαρεία)
1FD6	î	lowercase iota with circumflex accent (περισπωμένη)
1F30	ι̇	lowercase iota with smooth breathing (ψιλή)
1F31	ϊ	lowercase iota with rough breathing (δασεία)
1FD0	ï	lowercase iota with breve (βραχύ)
1FD1	ī	lowercase iota with macron (μακρόν)
1F34	ι̇́	lowercase iota with smooth breathing and acute accent
1F35	ΐ	lowercase iota with rough breathing and acute accent
1F32	ι̇̀	lowercase iota with smooth breathing and grave accent
1F33	ῒ	lowercase iota with rough breathing and grave accent
1F36	î̇	lowercase iota with smooth breathing and circumflex accent
1F37	î̈	lowercase iota with rough breathing and circumflex accent
03CA	ϊ	lowercase iota with διαλυτικά
0390	ΐ	lowercase iota with διαλυτικά and τόνος; also the preferred character for iota with διαλυτικά and acute accent; the use of ï̇, 1FD3, for iota with διαλυτικά and acute accent, even in ancient texts, is dissuaded
1FD3	ï̇	lowercase iota with διαλυτικά and acute accent (όξειά); ï̇, 0390, is the preferred character
1FD2	ï̀	lowercase iota with διαλυτικά and grave accent (βαρεία)
1FD7	î̇	lowercase iota with διαλυτικά and circumflex accent (περισπωμένη)
0399	Ι	uppercase Iota <b>character variant</b>
	Ι	(for use as an acrophonic numeral) use Stylistic Set 03
038A	Ϊ	uppercase Iota with τόνος; also the preferred character for Iota with acute accent; the use of Ϊ, 1FDB, for Iota with acute accent, even in ancient texts, is dissuaded
1FDB	Ϊ	uppercase Iota with acute accent (όξειά); Ϊ, 038A, is the preferred character
1FDA	ΐ	uppercase Iota with grave accent (βαρεία)
1F38	Ϊ̇	uppercase Iota with smooth breathing (ψιλή)
1F39	Ϊ̈	uppercase Iota with rough breathing (δασεία)
1FD8	Ϊ̇̆	uppercase Iota with breve (βραχύ)

1FD9	Ī	uppercase Iota with macron (μακρόν)
1F3C	Ῑ	uppercase Iota with smooth breathing and acute accent
1F3D	Ὶ	uppercase Iota with rough breathing and acute accent
1F3A	Ῐ	uppercase Iota with smooth breathing and grave accent
1F3B	Ῑ	uppercase Iota with rough breathing and grave accent
1F3E	῞	uppercase Iota with smooth breathing and circumflex accent
1F3F	῟	uppercase Iota with rough breathing and circumflex accent
03AA	Ὶ	uppercase Iota with διαλυτικά
03F3	j	lowercase yot
037F	J	uppercase Yot
03BA	κ	lowercase kappa
03F0	κ	script kappa symbol; not used for Greek text
03D7	ϣ	lowercase καί symbol; used as an ampersand
039A	K	uppercase Kappa
10182	Κ	kyathos base sign (papyri)
03CF	Ϟ	uppercase Καί symbol; used as an ampersand
03BB	λ	lowercase lambda
039B	Λ	uppercase Lambda
03BC	μ	Greek lowercase mu; do not confuse with μ, 00B5, micro sign
00B5	μ	micro sign; do not confuse with μ, 03BC, Greek lowercase mu
039C	M	uppercase Mu
		<b>character variant</b>
	Μ	(for use as an acrophonic numeral) use Stylistic Set 03
03BD	ν	lowercase nu
039D	N	uppercase Nu
03BE	ξ	lowercase ksi
10185	Ξ	xestes sign (papyri)
039E	Ξ	uppercase Ksi
03BF	ο	lowercase omicron
03CC	ό	lowercase omicron with τόνοϛ; also the preferred character for omicron with acute accent; the use of ό, 1F79, for omicron with acute accent, even in ancient texts, is dissuaded
1F79	ό	lowercase omicron with acute accent (όξεια); ό, 03CC, is the preferred character
1F78	ὀ	lowercase omicron with grave accent (βαρεία)
1F40	ὂ	lowercase omicron with smooth breathing (ψιλή)
1F41	ὃ	lowercase omicron with rough breathing (δασεία)
1F44	ὴ	lowercase omicron with smooth breathing and acute accent
1F45	ὶ	lowercase omicron with rough breathing and acute accent
1F42	ὸ	lowercase omicron with smooth breathing and grave accent
1F43	ὶ	lowercase omicron with rough breathing and grave accent

039F	Ο	uppercase Omicron
038C	Ό	uppercase Omicron with τόνοϛ; also the preferred character for Omicron with acute accent; the use of Ό, 1FF9, for Omicron with acute accent, even in ancient texts, is dissuaded
1FF9	Ό	uppercase Omicron with acute accent (όξειά); Ό, 038C, is the preferred character
1FF8	Ό	uppercase Omicron with grave accent (βαρειά)
1F48	Ό	uppercase Omicron with smooth breathing (ψιλή)
1F49	Ό	uppercase Omicron with rough breathing (δασειά)
1F4C	Ό	uppercase Omicron with smooth breathing and acute accent
1F4D	Ό	uppercase Omicron with rough breathing and acute accent
1F4A	Ό	uppercase Omicron with smooth breathing and grave accent
1F4B	Ό	uppercase Omicron with rough breathing and grave accent
03C0	π	lowercase pi
03D6	ϖ	technical pi symbol (so-called omega pi); not used for Greek text
03A0	Π	uppercase Pi
03FB	μ	lowercase san
03FA	Μ	uppercase San
03D9	ϙ	lowercase archaic qoppa
03D8	Ϙ	uppercase archaic Qoppa
03DF	Ϛ	lowercase qoppa
03DE	ϛ	uppercase Qoppa
03C1	ρ	lowercase rho
1FE4	ῥ	lowercase rho with smooth breathing (ψιλή)
1FE5	ῖ	lowercase rho with rough breathing (δασειά)
03F1	ϙ	tailed rho symbol; not used for Greek text
03FC	ρ	rho with stroke symbol; used with abbreviations containing ρ
03A1	Ρ	uppercase Rho
1FEC	Ό	uppercase Rho with rough breathing (δασειά)
03C3	σ	lowercase sigma
03C2	ς	lowercase final sigma; do not confuse with ς, 03DB, stigma
03F2	Ϸ	lowercase lunate sigma
037C	Ϸ	lowercase σίγμα περιστιγμένον
037B	Ϸ	lowercase αντίσιγμα
037D	Ϸ	lowercase αντίσιγμα περιστιγμένον
03A3	Σ	uppercase Sigma
03F9	Ϻ	uppercase lunate Sigma
03FE	Ϻ	uppercase σίγμα περιστιγμένον
03FD	Ϻ	uppercase αντίσιγμα
03FF	Ϻ	uppercase αντίσιγμα περιστιγμένον
03DB	ς	lowercase stigma; do not confuse with ς, 03C2, final sigma



03DA	Ϛ	uppercase Stigma
03C4	τ	lowercase tau
10189	Ϙ	tryblion base sign (papyri)
03A4	T	uppercase Tau
03C5	υ	lowercase upsilon
03CD	ύ	lowercase upsilon with τόνος; also the preferred character for upsilon with acute accent; the use of ύ, 1F7B, for upsilon with acute accent, even in ancient texts, is dissuaded
1F7B	ύ	lowercase upsilon with acute accent (όξειά); ύ, 03CD, is the preferred character
1F7A	ὀ	lowercase upsilon with grave accent (βαρείά)
1FE6	Ϝ	lowercase upsilon with circumflex accent (περισπωμένη)
1F50	ὲ	lowercase upsilon with smooth breathing (ψιλή)
1F51	ϛ	lowercase upsilon with rough breathing (δασείά)
1FE0	ϝ	lowercase upsilon with breve (βραχύ)
1FE1	Ϟ	lowercase upsilon with macron (μακρόν)
1F54	ϛ̂	lowercase upsilon with smooth breathing and acute accent
1F55	ϛ̃	lowercase upsilon with rough breathing and acute accent
1F52	ϛ̄	lowercase upsilon with smooth breathing and grave accent
1F53	ϛ̅	lowercase upsilon with rough breathing and grave accent
1F56	ϛ̆	lowercase upsilon with smooth breathing and circumflex accent
1F57	ϛ̇	lowercase upsilon with rough breathing and circumflex accent
03CB	ϛ̈	lowercase upsilon with διαλυτικά
03B0	ϛ̉	lowercase upsilon with διαλυτικά and τόνος; also the preferred character for upsilon with διαλυτικά and acute accent; the use of ϛ̉, 1FE3, for upsilon with διαλυτικά and acute accent, even in ancient texts, is dissuaded
1FE3	ϛ̉	lowercase upsilon with διαλυτικά and acute accent (όξειά); ϛ̉, 03B0, is the preferred character
1FE2	ϛ̊	lowercase upsilon with διαλυτικά and grave accent (βαρείά)
1FE7	ϛ̋	lowercase upsilon with διαλυτικά and circumflex accent (περισπωμένη)
03A5	Υ	uppercase Upsilon
038E	ΰ	uppercase Upsilon with τόνος; also the preferred character for Upsilon with acute accent; the use of ΰ, 1FEB, for Upsilon with acute accent, even in ancient texts, is dissuaded
1FEB	ΰ	uppercase Upsilon with acute accent (όξειά); ΰ, 038E, is the preferred character
1FEA	Ὠ	uppercase Upsilon with grave accent (βαρείά)
1F59	Ϛ	uppercase Upsilon with rough breathing (δασείά)
1FE8	Ϛ̂	uppercase Upsilon with breve (βραχύ)
1FE9	Ϛ̃	uppercase Upsilon with macron (μακρόν)
1F5D	Ϛ̄	uppercase Upsilon rough breathing and acute accent
1F5B	Ϛ̅	uppercase Upsilon rough breathing and grave accent

1F5F	Ϛ	uppercase Upsilon rough breathing and circumflex accent
03AB	Ϛ̄	uppercase Upsilon with διαλυτικά
03C6	φ	lowercase phi
03D5	ϕ	technical phi symbol; not used for Greek text
03A6	Φ	uppercase Phi
03C7	χ	lowercase khi; do not confuse with χ, AB53, Latin small letter khi (used in IPA), which is not to be used for Greek text – notice the reversed positions of the straight and the curved ‘legs’ of the character
03A7	Χ	uppercase Khi; do not confuse with Χ, A7B3, Latin uppercase khi, which is not to be used for Greek text – notice how the Latin letter extends below the baseline, whereas the Greek does not
		<b>character variant</b>
	×	(for use as an acrophonic numeral) use Stylistic Set 03
03C8	ψ	lowercase psi
03A8	Ψ	uppercase Psi
03C9	ω	lowercase omega; do not confuse with ω, A7B7, Latin small letter omega, which is not to be used for Greek text
10177	Ϝ	two thirds sign (papyri)
03CE	ώ	lowercase omega with τόνος; also the preferred character for omega with acute accent; the use of ώ, 1F7D, for omega with acute accent, even in ancient texts, is dissuaded
1F7D	ώ	lowercase omega with acute accent (ὄξεια); ώ, 03CE, is the preferred character
1F7C	ὠ	lowercase omega with grave accent (βαρεία)
1FF6	ῶ	lowercase omega with circumflex accent (περισπωμένη)
1F60	ὦ	lowercase omega with smooth breathing (ψιλή)
1F61	ῶ	lowercase omega with rough breathing (δασεία)
1F64	ῶ̄	lowercase omega with smooth breathing and acute accent
1F65	ῶ̄	lowercase omega with rough breathing and acute accent
1F62	ῶ̄	lowercase omega with smooth breathing and grave accent
1F63	ῶ̄	lowercase omega with rough breathing and grave accent
1F66	ῶ̄̂	lowercase omega with smooth breathing and circumflex accent
1F67	ῶ̄̂	lowercase omega with rough breathing and circumflex accent
1FF3	ϝ	lowercase omega with iota subscript (ὑπογεγραμμένη)
1FF4	ῶ̇	lowercase omega with acute accent and iota subscript
1FF2	ῶ̇	lowercase omega with grave accent and iota subscript
1FF7	ῶ̇̂	lowercase omega with circumflex accent and iota subscript
1FA0	ῶ̇̂	lowercase omega with smooth breathing and iota subscript
1FA1	ῶ̇̂	lowercase omega with rough breathing and iota subscript
1FA4	ῶ̇̄̂	lowercase omega with smooth breathing and acute accent and iota subscript
1FA5	ῶ̇̄̂	lowercase omega with rough breathing and acute accent and iota subscript
1FA2	ῶ̇̄̂	lowercase omega with smooth breathing and grave accent and iota subscript

1FA3	ὦ	lowercase omega with rough breathing and grave accent and iota subscript
1FA6	Ϟ̂	lowercase omega with smooth breathing and circumflex accent and iota subscript
1FA7	Ϟ̃	lowercase omega with rough breathing and circumflex accent and iota subscript
03A9	Ω	uppercase Omega; compare Ω, 2126, Ohm sign; do not confuse with Ω, A7B6, Latin uppercase Omega, which is not to be used for Greek text
2126	Ω	Ohm sign; preferred representation is Ω, 03A9
038F	ᾤ	uppercase Omega with τόνος; also the preferred character for Omega with acute accent; the use of ᾤ, 1FFB, for Omega with acute accent, even in ancient texts, is dissuaded
1FFB	ᾤ	uppercase Omega with acute accent (ὄξεια); ᾤ, 038F, is the preferred character
1FFA	ᾦ	uppercase Omega with grave accent (βαρεία)
1F68	ᾧ	uppercase Omega with smooth breathing (ψιλή)
1F69	ᾨ	uppercase Omega with rough breathing (δασεία)
1F6C	ᾩ	uppercase Omega with smooth breathing and acute accent
1F6D	ᾪ	uppercase Omega with rough breathing and acute accent
1F6A	ᾫ	uppercase Omega with smooth breathing and grave accent
1F6B	ᾬ	uppercase Omega with rough breathing and grave accent
1F6E	ᾭ	uppercase Omega with smooth breathing and circumflex accent
1F6F	ᾮ	uppercase Omega with rough breathing and circumflex accent
1FFC	Ωι	uppercase Omega with iota adscript (προσγεγραμμένη)
1FA8	ᾩι	uppercase Omega with smooth breathing and iota adscript
1FA9	ᾪι	uppercase Omega with rough breathing and iota adscript
1FAC	ᾫι	uppercase Omega with smooth breathing and acute accent and iota adscript
1FAD	ᾬι	uppercase Omega with rough breathing and acute accent and iota adscript
1FAA	ᾭι	uppercase Omega with smooth breathing and grave accent and iota adscript
1FAB	ᾮι	uppercase Omega with rough breathing and grave accent and iota adscript
1FAE	ᾩι	uppercase Omega with smooth breathing and circumflex accent and iota adscript
1FAF	ᾪι	uppercase Omega with rough breathing and circumflex accent and iota adscript
03E1	Ϻ	lowercase sampi
03E0	ϻ	uppercase Sampi
0373	Ϝ	lowercase archaic sampi
0372	ϝ	uppercase archaic Sampi
0377	Ϟ	lowercase Pamphylian digamma
0376	ϟ	uppercase Pamphylian Digamma
03F8	Ϡ	lowercase Bactrian sho
03F7	ϡ	Bactrian uppercase Sho
0301	◌́	combining acute accent: used as Greek combining acute accent (ὄξεια) and combining (modern) τόνος
0384	´	spacing (modern) τόνος; do not confuse with ´, 0374, numeral sign (δεξιά κεραία)
1FFD	◌́	spacing acute accent (ὄξεια); do not confuse with ´, 0374, numeral sign (δεξιά κεραία)

0300	◌̂	combining grave accent: used as Greek combining grave accent (βαρεῖα)
1FEF	`	spacing grave accent (βαρεῖα)
0342	◌̆	combining circumflex accent (περισπωμένη)
1FC0	`	spacing circumflex accent (περισπωμένη)
0313	◌̇	combining comma above: used as combining smooth breathing (ψιλή)
1FBF	`	spacing smooth breathing (ψιλή); do not confuse with ` 2019, apostrophe, or with 02BC, modifier letter apostrophe (IPA ejective), or with ` 1FBD, spacing κορωνίς
0343	◌̈	combining κορωνίς, used rarely (limited to cases of crasis, like κάγω): a smooth breathing ◌̈, 0313, is normally used instead
1FBD	`	spacing κορωνίς; do not confuse with ` 2019, apostrophe, or with 02BC, modifier letter apostrophe (IPA ejective), or with ` 1FBF, spacing smooth breathing (ψιλή)
0314	◌̋	combining reversed comma above: used as combining rough breathing (δασεία)
1FFE	`	spacing rough breathing (δασεία); do not confuse with ` 02BD, modifier letter reversed comma (weak aspiration), or with ` 201B, single high-reversed-9 quotation mark, or with ` 2018, left single quotation mark
1FCE	`	spacing ψιλή and ὀξεῖα
1FDE	`	spacing δασεία and ὀξεῖα
1FCD	`	spacing ψιλή and βαρεῖα
1FDD	`	spacing δασεία and βαρεῖα
1FCF	`	spacing ψιλή and περισπωμένη
1FDF	`	spacing δασεία and περισπωμένη
1FC1	`	spacing διαλυτικά and περισπωμένη
0344	◌̣	combining διαλυτικά τόνος: its use is discouraged, use ◌̣ 0308 plus ◌̣ 0301 instead
1DC1	◌̣	Greek combining dotted acute accent; used as editorial sign to indicate scribal deletion of erroneous accent mark
0385	`	spacing διαλυτικά and τόνος
1FEE	`	spacing διαλυτικά and ὀξεῖα
2E13	·/·	dotted ὀβελός
1DC0	◌̣	Greek combining dotted grave accent; used as editorial sign to indicate scribal deletion of erroneous accent mark
1FED	`	spacing διαλυτικά and βαρεῖα
0387	·	Greek high dot (ἄνω τελεία); middle dot · (00B7) is now the preferred character
003B	;	semicolon; also used as the Greek question mark
037E	;	Greek question mark: its use is now discouraged, use the semicolon (003B) instead
0374	`	numeral sign, δεξιά κεραία; in the Milesian numeral system, put to the right of letters representing numbers; do not confuse with ` 0384, the spacing (modern) τόνος, or with ` 1FFD, the spacing acute accent (ὀξεῖα)
0375	,	lower numeral sign, ἀριστερά κεραία; in the Milesian numeral system, put to the left of letters representing thousands
203B	※	ancient Greek ἀστερίσκος

2059	::	five dot punctuation; Greek πεντόγκιον; quincunx
035C	◌◌	combining double breve below: used to mark synizesis, as in Πηληϊάδεω; set between the two characters to be tied together
2013	–	the EN dash is used for metrical long; also for ancient Greek ὀβελός; do not confuse with -, 10191, Roman uncia sign
23D1	˘	metrical breve
23D2	˘˘	metrical long over short
23D3	˘˘˘	metrical short over long
23D4	˘˘˘˘	metrical long over two shorts
23D5	˘˘˘˘˘	metrical two shorts over long
23D6	˘˘˘˘˘˘	metrical two shorts joined
23D7	—	metrical triseme
23D8	—	metrical tetraseme
23D9	—	metrical pentaseme
10140	⸁	Attic ¼ (epigraphy)
10141	⸂	Attic ½ (epigraphy)
10142	⸃	Attic one drachma (epigraphy)
0399		Attic 1 (this OpenType glyph variant is accessed in Stylistic Set 03)
10143	⸄	Attic 5 (epigraphy)
0394	Δ	Attic 10 (this OpenType glyph variant is accessed in Stylistic Set 03)
0370	Η	Attic 100 (uppercase Heta; this OpenType glyph variant is accessed in Stylistic Set 03)
0397	Η	Attic 100 (uppercase Eta; this OpenType glyph variant is accessed in Stylistic Set 03)
03A7	Χ	Attic 1,000 (this OpenType glyph variant is accessed in Stylistic Set 03)
039C	Μ	Attic 10,000 (this OpenType glyph variant is accessed in Stylistic Set 03)
10144	⸅	Attic 50 (epigraphy)
10145	⸆	Attic 500 (epigraphy)
10146	⸇	Attic 5,000 (epigraphy)
10147	⸈	Attic 50,000 (epigraphy)
10148	⸉	Attic 5 talents (epigraphy)
10149	⸊	Attic 10 talents (epigraphy)
1014A	⸋	Attic 50 talents (epigraphy)
1014B	⸌	Attic 100 talents (epigraphy)
1014C	⸍	Attic 500 talents (epigraphy)
1014D	⸎	Attic 1,000 talents (epigraphy)
1014E	⸏	Attic 5,000 talents (epigraphy)
1014F	⸐	Attic 5 staters (epigraphy)
		<b>character variant</b>
	⸑	(with three-bar sigma) use Stylistic Set 04

10150	△	Attic 10 staters (epigraphy)
		<b>character variant</b>
	△	(with three-bar sigma) use Stylistic Set 04
10151	⌘	Attic 50 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10152	⌘	Attic 100 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10153	⌘	Attic 500 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10154	⌘	Attic 1,000 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10155	⌘	Attic 10,000 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10156	⌘	Attic 50,000 staters (epigraphy)
		<b>character variant</b>
	⌘	(with three-bar sigma) use Stylistic Set 04
10157	⌘	Attic 10 mnas (epigraphy)
10158	⌘	Heraeum 1 plethron (epigraphy)
10159	⌘	Thespian 1 (epigraphy)
1015A	⌘	Hermionian 1 (epigraphy)
1015B	:	Epidaurean 2 (epigraphy); do not confuse with :, 205A, two dot punctuation
1015C	⌘	Thespian 2 (epigraphy)
1015D	⌘	Cyrenaic 2 drachmas (epigraphy)
1015E	=	Epidaurean 2 drachmas (epigraphy)
1015F	⌘	Troezenian 5 (epigraphy)
10160	⌘	Troezenian 10 (epigraphy)
10161	⌘	Troezenian 10, alternate form (epigraphy)
10162	⌘	Hermionian 10 (epigraphy)
10163	⌘	Messenian 10 (epigraphy)
10164	⌘	Thespian 10 (epigraphy)
10165	⌘	Thespian 30 (epigraphy)
10166	⌘	Troezenian 50 (epigraphy)
10167	⌘	Troezenian 50, alternate form (epigraphy)
10168	⌘	Hermionian 50 (epigraphy)
10169	⌘	Thespian 50 (epigraphy)

1016A	Ⲝ	Thespian 100 (epigraphy)
1016B	Ⲟ	Thespian 300 (epigraphy)
1016C	Ⲡ	Epidaurean 500 (epigraphy)
1016D	Ⲣ	Troezenian 500 (epigraphy)
1016E	Ⲥ	Thespian 500 (epigraphy)
1016F	Ⲧ	Carystian 500 (epigraphy)
10170	Ⲩ	Naxian 500 (epigraphy)
10171	Ⲫ	Thespian 1,000 (epigraphy)
10172	Ⲭ	Thespian 5,000 (epigraphy)
10173	Ⲯ	Delphic 5 mnas (epigraphy)
10174	Ⲱ	Stratian 50 mnas (epigraphy)
2E0E	Ⲳ	editorial κορωνίς; indicates the end of a section or of a poem in a papyrus
		<b>character variants:</b>
	Ⲵ	use InDesign's Glyphs palette
	Ⲷ	use InDesign's Glyphs palette
2E0F	Ⲹ	παράγραφος; marks a break in the text
2E10	Ⲻ	forked παράγραφος; similar in function to παράγραφος
2E11	Ⲽ	reversed forked παράγραφος
2E12	Ⲿ	ὑποδιαστολή; mark used in papyri to divide words from one another
2E14	Ⲱ	downwards ancora
2E15	Ⲳ	upwards ancora
2E16	Ⲵ	διπλή περιστιγμένη; dotted right-pointing angle
10175	Ⲷ	one half sign (papyri)
10179	Ⲹ	year sign (papyri)
10176	Ⲻ	one half sign, alternate form (papyri)
10177	Ⲽ	two thirds sign (papyri)
10178	Ⲿ	three quarters sign (papyri)
1017A	Ⲯ	talent sign (papyri)
1017B	Ⲱ	drachma sign (papyri)
1017C	Ⲳ	obol sign (papyri)
1017D	Ⲵ	two obols sign (papyri)
1017E	Ⲷ	three obols sign (papyri)
1017F	Ⲹ	four obols sign (papyri)
10180	Ⲻ	five obols sign (papyri)
10181	Ⲽ	metretes sign (papyri)
10182	Ⲿ	kyathos base sign (papyri)
10183	Ⲯ	litra sign (papyri)
10184	Ⲱ	ounkia sign (papyri)
10185	Ⲳ	xestes sign (papyri)
10186	Ⲵ	artabe sign (papyri)

10187	Ϸ	aroura sign (papyri)
10188	ϳ	gramma sign (papyri)
10189	ϴ	tryblion base sign (papyri)
1018A	ϵ	zero sign (papyri)
1018D	Ϸ	Greek indiction sign; in Byzantine chronology, the indiction cycle was 15 years
1018E	ϸ	nomisma sign; nomisma is the name of the gold coin known in Latin as the solidus

### Cyrillic

0430	а	
04D3	ä	Cyrillic small letter a with diaeresis
04D1	ă	Cyrillic small letter a with breve
0410	А	
04D2	Ä	Cyrillic capital letter A with diaeresis
04D0	Ă	Cyrillic capital letter A with breve
0431	б	
0411	Б	
0432	в	
0412	В	
0433	г	
0491	г	
0453	ѓ	
0493	ґ	Cyrillic small letter ghe with stroke
0495	ҕ	Cyrillic small letter ghe with middle hook
0413	Г	
0490	Ґ	
0403	Ѓ	
0492	Ғ	Cyrillic capital letter Ghe with stroke
0494	Ҕ	Cyrillic capital letter Ghe with middle hook
0434	д	
0414	Д	
0452	ђ	
0402	Ђ	
0435	е	
04D9	ə	Cyrillic small letter schwa
0450	è	
0451	ë	
04D7	ě	Cyrillic small letter e with breve
0415	Е	
04D8	Ə	Cyrillic capital letter Schwa
0400	È	



0401	Ě	
04D6	Ě	Cyrillic capital letter E with breve
0454	€	do not confuse with €, A793, Latin small letter c with bar
0404	€	do not confuse with €, A792, Latin capital letter C with bar: scientific Cambrian symbol
0436	ж	
04C2	Ӈ	Cyrillic small letter zhe with breve
0497	Ӈ	Cyrillic small letter zhe with descender
0416	Ӈ	
04C1	Ӈ	Cyrillic capital letter Zhe with breve
0496	Ӈ	Cyrillic capital letter Zhe with descender
A641	з	Cyrillic small letter zemlya
A640	З	Cyrillic capital letter Zemlya
0437	з	
0499	ӓ	Cyrillic small letter ze with descender
0417	ӓ	
0498	ӓ	Cyrillic capital letter Ze with descender
0455	ѕ	
0405	Ѕ	
04E1	ӡ	Cyrillic small letter Abkhasian dze
04E0	Ӣ	Cyrillic capital letter Abkhasian Dze
0438	и	
0418	И	
045D	ӥ	
040D	ӥ	
0456	і	
A647	ѣ	Cyrillic small letter iota
0457	ѣ	
0406	І	
A646	Ѥ	Cyrillic capital letter Iota
0407	Ӣ	
0439	й	
0419	Й	
0458	ј	
0408	Ј	
043A	к	
04A1	ҕ	Cyrillic small letter Bashkir ka
045C	ќ	
049D	к	Cyrillic small letter ka with vertical stroke
049B	қ	Cyrillic small letter ka with descender

041A	К	
04A0	Ꞑ	Cyrillic capital letter Bashkir Ka
040C	ꞑ	
049C	Ꞓ	Cyrillic capital letter Ka with vertical stroke
049A	ꞓ	Cyrillic capital letter Ka with descender
043B	л	
0521	ꞔ	Cyrillic small letter el with middle hook
0459	ꞕ	
041B	Л	
0520	Ꞗ	Cyrillic capital letter El with middle hook
0409	ꞗ	
043C	м	
041C	М	
043D	н	
04A5	Ꞙ	Cyrillic small letter en ghe
0523	ꞙ	Cyrillic small letter en with middle hook
045A	Ꞛ	
04A3	ꞛ	Cyrillic small letter en with descender
041D	Н	
04A4	Ꞝ	Cyrillic capital letter En Ghe
0522	ꞝ	Cyrillic capital letter En with middle hook
040A	Һ	
04A2	Ꞟ	Cyrillic capital letter En with descender
2116	№	Numero sign
043E	о	
04E7	ö	Cyrillic small letter o with diaeresis
04E9	ø	Cyrillic small letter o with bar; do not confuse with ø, 0473, Cyrillic small letter fita
041E	О	
04E6	Ö	Cyrillic capital letter O with diaeresis
04E8	Ө	Cyrillic capital letter O with bar; do not confuse with Ө, 0472, Cyrillic capital letter Fita
043F	п	
041F	П	
0440	р	
0420	Р	
0441	с	
04AB	ç	Cyrillic small letter es with descender
0421	С	
04AA	Ç	Cyrillic capital letter Es with descender
0442	т	
0422	Т	

045B	ћ	Serbian Cyrillic letter, transliterated in the Latin script as ć; uppercase is Ћ, 040B; do not confuse with Cyrillic ђ, 0452, or with Latin ħ, 0127
040B	Ћ	Serbian Cyrillic letter, transliterated in the Latin script as Ć; lowercase is ħ, 045B; do not confuse with Ћ, 0402
0443	у	
04F1	ÿ	Cyrillic small letter u with diaeresis
04EF	ŷ	Cyrillic small letter u with macron
045E	ŷ̇	
04F3	ÿ̇	Cyrillic small letter u with double acute
0423	У	
04Fo	Û	Cyrillic capital letter U with diaeresis
04EE	Ÿ	Cyrillic capital letter U with macron
040E	Ÿ̇	
04F2	Û̇	Cyrillic capital letter U with double acute
04AF	у	Cyrillic small letter straight u
04B1	у̅	Cyrillic small letter straight u with stroke
04AE	У	Cyrillic capital letter straight U
04Bo	У̅	Cyrillic capital letter straight U with stroke
0479	уѳ	Cyrillic small letter uk
0478	Уѳ	Cyrillic capital letter Uk
A64B	ѳ	Cyrillic small letter monograph uk
A64A	ѳ̅	Cyrillic capital letter monograph Uk
0444	ѱ	
0424	Ѳ	
0461	ѱ	Cyrillic small letter omega
0460	Ѳ	Cyrillic capital letter Omega
047F	ѱ̅	Cyrillic small letter ot
047E	Ѳ̅	Cyrillic capital letter Ot
A64D	ѱ̅̅	Cyrillic small letter broad omega
A64C	Ѳ̅̅	Cyrillic capital letter broad Omega
047D	ѱ̅̅̅	Cyrillic small letter omega with titlo
047C	Ѳ̅̅̅	Cyrillic capital letter Omega with titlo
047B	ѱ̅̅̅̅	Cyrillic small letter round omega
047A	Ѳ̅̅̅̅	Cyrillic capital letter round Omega
0445	х	
04B3	х̅	Cyrillic small letter ha with descender
0425	Х	
04B2	Х̅	Cyrillic capital letter Ha with descender
04BB	х̅̅̅̅	Cyrillic small letter shha; do not confuse with Latin h



0527	Һ	Cyrillic small letter shha with descender; do not confuse with Latin Һ 2C68 (used for Uighur)
04BA	Ӡ	Cyrillic capital letter Shha
0526	ӡ	Cyrillic capital letter Shha with descender
0446	Ӣ	
0426	ӣ	
0447	Ӥ	
04B9	ӥ	Cyrillic small letter che with vertical stroke
04CC	Ӧ	Cyrillic small letter Khakassian che
0427	ӧ	
04B8	Ө	Cyrillic capital letter Che with vertical stroke
04CB	ө	Cyrillic capital letter Khakassian Che
045F	Ӫ	
040F	ӫ	
0448	Ӭ	
0428	ӭ	
0449	Ӯ	
0429	ӯ	
044A	Ӱ	
042A	ӱ	
044B	Ӳ	
042B	ӳ	
A651	Ӵ	Cyrillic small letter yeru with back yer
A650	ӵ	Cyrillic capital letter Yeru with back Yer
044C	Ӷ	
042C	ӷ	
0463	Ӹ	
0462	ӹ	
044D	Ӻ	
042D	ӻ	
A657	Ӽ	Cyrillic small letter iotified a
A656	ӽ	Cyrillic capital letter Iotified A
0465	Ӿ	Cyrillic small letter iotified e
0464	ӿ	Cyrillic capital letter Iotified E
044E	Ӡ	
042E	ӡ	
046B	Ӣ	Cyrillic small letter big yus
046A	ӣ	Cyrillic capital letter big Yus
046D	Ӥ	Cyrillic small letter iotified big yus
046C	ӥ	Cyrillic capital letter Iotified big Yus

0467	Ɑ	Cyrillic small letter little yus
0466	Ɱ	Cyrillic capital letter little Yus
0469	Ɐ	Cyrillic small letter iotified little yus
0468	Ɒ	Cyrillic capital letter Iotified little Yus
044F	я	
042F	Я	
046F	ѣ	Cyrillic small letter ksi
046E	Ѥ	Cyrillic capital letter Ksi
0471	ѱ	Cyrillic small letter psi
0470	Ѳ	Cyrillic capital letter Psi
0473	ѳ	Cyrillic small letter fita; do not confuse with 0, 04E9, Cyrillic small letter o with bar
0472	Ѵ	Cyrillic capital letter Fita; do not confuse with Ө, 04E8, Cyrillic capital letter O with bar
0475	ѵ	
0477	Ѷ	Cyrillic capital letter izhitsa with double grave accent
0474	ѷ	
0476	Ѹ	Cyrillic capital letter Izhitsa with double grave accent
0481	ѹ	Cyrillic small letter koppa
0480	Ѻ	Cyrillic capital letter Koppa
0483	ѻ	combining Cyrillic titlo; not used with titlo letters
0484	Ѽ	combining Cyrillic palatalization; Slavicist notation; not used for kamora
0486	ѽ	combining Cyrillic psili pneumata; used to compose egyptological yod: i and I plus ѽ gives ï and Ī
0487	Ѿ	combining Cyrillic pokrytie; used only with titlo letters
0482	ѿ	Cyrillic thousands sign
0488	Ѡ	combining Cyrillic hundred thousands sign
0489	ѡ	combining Cyrillic millions sign
2E2F	’	vertical tilde; this is a spacing character, used for Cyrillic yerik

**Appendix 1****Characters added since version 2.x****Latin and related characters**

AB64	ɑ	Latin small letter inverted alpha; Americanist phonetic notation
2C70	D	Latin capital letter turned Alpha: used in Americanist linguistics; lowercase is ɒ, 0252
1D43	<sup>a</sup>	modifier letter small a; linguistic use; do not confuse with <sup>a</sup> , 00AA, feminine ordinal
1D2C	<sup>A</sup>	modifier letter capital A; linguistic use
1D44	<sup>ɐ</sup>	modifier letter small turned a; linguistic use
1D45	<sup>α</sup>	modifier letter small alpha; linguistic use
1D2D	Æ	modifier letter capital Æ; linguistic use
1D46	æ̃	modifier letter small turned æ; linguistic use
A7BB	ʔ	Latin small letter glottal a; used to transcribe the Ugaritic cuneiform letter 𐎗; uppercase is ʔ̄, A7BA
A7BA	ʔ̄	Latin capital letter glottal A; used to transcribe the Ugaritic cuneiform letter 𐎗; lowercase is ʔ, A7BB
1D47	<sup>b</sup>	modifier letter small b; linguistic use
1D2E	<sup>B</sup>	modifier letter capital B; linguistic use
1D2F	<sup>B̄</sup>	modifier letter capital barred B; linguistic use
A797	ɓ̣	Latin small letter b with flourish; used in rendering Middle Vietnamese; uppercase is ɓ̣̄, A796
A796	ɓ̣̄	Latin capital letter B with flourish; used in rendering Middle Vietnamese; lowercase is ɓ̣, A797
A7B5	β̣	Latin small letter beta: IPA voiced bilabial fricative; also used in Gabonese orthographies; uppercase is β̣̄, A7B4; formerly, lowercase Greek beta, 03B2, was given a 'Latin' shape by applying Stylistic Set 20: β̣
1D5D	β̣̄	modifier letter small beta; linguistic use
1D66	β̣	Greek subscript small letter beta; linguistic use
A7B4	β̣̄	Latin capital letter Beta; lowercase is β̣, A7B5; used in Gabonese orthographies;
A793	ċ	Latin small letter c with bar; linguistic use; uppercase is Ċ, A792, scientific Cambrian symbol; do not confuse with ċ, 0454, Cyrillic small letter Ukrainian ie
A792	Ċ	Latin capital letter C with bar; scientific Cambrian symbol; lowercase is ċ, A793, which has linguistic applications; do not confuse with Ċ, 0404, Cyrillic capital letter Ukrainian IE
A794	ç̣	Latin small letter c with palatal hook; used in Lithuanian dialectology; uppercase is Ç̣, A7C4

A7C4	Ç	Latin capital letter C with palatal hook; used in early Pinyin romanization; lowercase is ç, A794
1D48	ɖ	modifier letter small d; linguistic use
1D30	Ɖ	modifier letter capital D; linguistic use
1D5F	ɔ̣	modifier letter small delta; linguistic use
AB66	ɗ	Latin small letter dz digraph with retroflex hook; no uppercase; used in Sinological and Tibetanist transcriptions
1D49	ɛ̣	modifier letter small e; linguistic use
1D31	Ɛ	modifier letter capital E; linguistic use
1D4A	ɐ̣	modifier letter small schwa; linguistic use
1D32	Ǝ	modifier letter capital reversed E; linguistic use
1D4B	ɛ̟	modifier letter small open e; linguistic use
1D4C	ɛ̠	modifier letter small turned open e; linguistic use
A7AB	Ʒ	Latin capital letter reversed open E; lowercase is ʒ, 025C
1D60	ϕ	modifier letter small Greek phi; linguistic use
1D69	ϕ	Greek subscript small letter phi; linguistic use
A799	ƒ	Latin small letter f with stroke; used in Old Ewe orthography and in German dialectology; uppercase is Ƒ, A798
A798	Ƒ	Latin capital letter F with stroke; used in Old Ewe orthography; lowercase is ƒ, A799
1D4D	ɠ	modifier letter small g; linguistic use
1D33	Ɠ	modifier letter capital G; linguistic use
1D5E	ɣ̣	modifier letter small Greek gamma; linguistic use; compare γ̣, 02E0, modifier letter small gamma
1D67	γ̣	Greek subscript small letter gamma; linguistic use
A7AC	Ɠ	Latin capital letter script G; lowercase is Ɠ, 0261
A795	ħ	Latin small letter h with palatal hook; used in Lithuanian dialectology; do not confuse with ħ, A727, lowercase heng; no uppercase
1D34	Ҁ	modifier letter capital H; linguistic use; do not confuse with Ҁ, modifier letter Cyrillic en, 1D78
A7F8	Ҁ	modifier letter capital H with stroke; faucalized; extended IPA; compare Ҁ, 0126, Ҁ, 1D34, and Ҁ, 029C
A7AA	Ҁ	Latin capital letter h with hook; used in African orthographies (Chad); lowercase is Ҁ, 0266
1D62	ɨ̣	Latin subscript small letter i; linguistic use
1D35	Ɔ	modifier letter capital I; linguistic use
1D4E	ɨ̠	modifier letter small turned i; linguistic use
A7F7	ↀ	epigraphic sideways I; used in Celtic inscriptions
A7AE	Ɔ	Latin capital letter small capital i; used in Gabonese orthographies; lowercase is ɨ̣, 026A

A7BD	ı	Latin small letter glottal i; used to transcribe the Ugaritic cuneiform letter  . It also represents Egyptological yod (usually in the italic form), which was formerly available only as a combination of lowercase i plus a combining diacritic (in the Brill fonts: $i+\overset{\circ}{\text{[0486]}}=ı$ ; which continues to be supported); uppercase is Ĭ, A7BC
A7BC	Ĭ	Latin capital letter glottal I; used to transcribe the Ugaritic cuneiform letter  . It also represents Egyptological yod (usually in the italic form), which was formerly available only as a combination of uppercase I plus a combining diacritic (in the Brill fonts: $I+\overset{\circ}{\text{[0486]}}=Ĭ$ ; which continues to be supported); lowercase is ı, A7BD
ıD36	J	modifier letter capital J; linguistic use
A7B2	J	Latin capital letter J with crossed tail; African orthographies; lowercase is j, 029D
ıD4F	k	modifier letter small k; linguistic use
ıD37	K	modifier letter capital K; linguistic use
A7B0	Ɔ	Latin capital letter turned K; lowercase is Ɔ, 029E; used in Americanist orthographies
ıD38	L	modifier letter capital L; linguistic use
A78E	ł	Latin small letter l with retroflex hook and belt; voiceless lateral retroflex fricative; used to transcribe Toda; no uppercase
A7AD	Ł	Latin capital letter L with belt; lowercase is ł, 026C
ıD50	m	modifier letter small m; linguistic use
ıD39	M	modifier letter capital M; linguistic use
ıD5A	ɱ	modifier letter small turned m; linguistic use
ıD3A	N	modifier letter capital N; linguistic use
ıD3B	ɱ	modifier letter capital reversed N; linguistic use
A791	ɱ	Latin small letter n with descender; uppercase is N, A790
ıD51	ɱ	modifier letter small eng; linguistic use
ıD78	ɱ	modifier letter Cyrillic en; linguistic use; do not confuse with <sup>H</sup> , modifier letter capital H, ıD34
A790	N	Latin capital letter N with descender; lowercase is n, A791
ıD52	°	modifier letter small o; linguistic use; do not confuse with °, 00BA, masculine ordinal, or °, 00B0, degree sign, or °, 02DA, spacing ring above
ıD3C	°	modifier letter capital O; linguistic use
ıD53	◌◌	modifier letter small open o; linguistic use
ıD54	◌◌	modifier letter small top half o; linguistic use
ıD55	◌◌	modifier letter small bottom half o; linguistic use
A7F9	œ	modifier letter small ligature oe; linguistic use
ıD3D	8	modifier letter capital OU (8); linguistic use
A7B7	ω	Latin small letter omega; used in Gabonese orthographies; uppercase is Ω, A7B6
A7B6	Ω	Latin capital letter Omega; used in Gabonese orthographies; lowercase is ω, A7B7
AB65	Ω	Greek letter small capital omega; Americanist use only; no uppercase
ıD56	P	modifier letter small p; linguistic use
ıD3E	P	modifier letter capital P; linguistic use



A7AF	Q	Latin letter small capital q; used in Japanese phonemic transcription
1D63	r	Latin subscript small letter r; linguistic use
1D3F	R	modifier letter capital R; linguistic use
1D68	ρ	Greek subscript small letter rho; linguistic use
2C7E	Œ	Latin capital letter S with swash tail; Africanist use; lowercase is œ, 023F
A7C5	Œ	Latin capital letter S with hook; used in early Pinyin romanization; lowercase is œ, 0282
1D57	t	modifier letter small t; linguistic use
1D40	T	modifier letter capital T; linguistic use
AB67	ʈʂ	Latin small letter ts digraph with retroflex hook; no uppercase; used in Sinological and Tibetanist transcriptions
A7B1	Ƨ	Latin capital letter turned T; lowercase is Ƨ, 0287; used in Americanist orthographies
1D58	u	modifier letter small u; linguistic use
1D64	u	Latin subscript small letter u; linguistic use
1D41	U	modifier letter capital U; linguistic use
1D59	ɥ	modifier letter small sideways u; linguistic use
A7BF	ʾU	Latin small letter glottal u; used to transcribe the Ugaritic cuneiform letter 𐎛; uppercase is ʾU, A7BE
A7BE	ʾU	Latin capital letter glottal U; used to transcribe the Ugaritic cuneiform letter 𐎛; lowercase is ʾu, A7BF
A7B9	u̶	Latin small letter u with stroke; uppercase is U̶, A7B8; used in Mazahua
A7B8	U̶	Latin capital letter U with stroke; lowercase is u̶, A7B9; used in Mazahua
1D65	v	Latin subscript small letter v; linguistic use
1D42	W	modifier letter capital W; linguistic use
A7C3	Ƶ	Latin small letter Anglicana w; uppercase is Ƶ, A7C2; used in medieval English and Cornish
A7C2	Ƶ	Latin capital letter Anglicana W; lowercase is Ƶ, A7C3; used in medieval English and Cornish
AB53	χ	Latin small letter khi; IPA voiceless uvular fricative; uppercase is Χ, A7B3; formerly, lowercase Greek khi, 03C7, was given a ‘Latin’ shape by applying Stylistic Set 20: χ
A7B3	Χ	Latin capital letter Khi; used in German dialectology; lowercase is χ, AB53
1D61	χ	modifier letter small chi; linguistic use
1D6A	χ	Greek subscript small letter chi; linguistic use
	ȳ	Elfdalian y with ogonek can be made by keying y followed by a combining ogonek, ̧, 0328
	Ȳ	Elfdalian Y with ogonek can be made by keying Y followed by a combining ogonek, ̧, 0328
2C7F	Z	Latin capital letter Z with swash tail; Africanist use; lowercase is z, 0240

- A7C6 Z Latin capital letter Z with palatal hook; used in early Pinyin romanization; lowercase is z, 1D8E
- 1D5C \* modifier letter small ain

### Combining characters, spacing modifier letters, and similarly-shaped characters and marks

- A78C ' Latin small letter saltillo; symbol for glottal stop; used in Me'phaa/Tlapanec; uppercase is ', A78B
- A78B ' Latin capital letter saltillo; symbol for glottal stop; used in Me'phaa/Tlapanec; lowercase is ', A78C
- A788 ^ modifier letter low circumflex accent; this is a spacing character; linguistic use (tone marker in Akha and Lahu); combining circumflex accent below is ̂, 032D; do not confuse with ^ UPA modifier letter low up arrowhead, 02F0, or ^, 005E, circumflex, or ^, modifier letter up arrowhead, 02C4, or ^, modifier letter circumflex accent, 02C6
- 02CA ´ modifier letter acute accent; when used as the Chinantec mid tone mark, the glyph representing this character can be made strictly rectangular by applying the 'Chinantec' language attribute in certain applications, principally web browsers (for instance by using the CSS 'font-language-override' syntax and the 'CCHN' OpenType language system tag):  
´
- 02CB ` modifier letter grave accent; when used as the Chinantec low rising tone mark, the glyph representing this character can be made strictly rectangular by applying the 'Chinantec' language attribute in certain applications, principally web browsers (for instance by using the CSS 'font-language-override' syntax and the 'CCHN' OpenType language system tag):  
`
- 2E2F ˇ vertical tilde; this is a spacing character, used for Cyrillic yerik
- 1DFD ̣ combining almost equal to below; indicates a strident vowel in Khoisan languages; compare ̣, 034C
- 1DFC ̤ combining double inverted breve below; typed between the two letters to which it belongs
- A717 ˙ modifier letter dot vertical bar; Chinantec high ballistic tone mark
- A718 ˘ modifier letter dot slash; Chinantec mid ballistic tone mark
- A719 ˚ modifier letter dot horizontal bar; Chinantec low ballistic tone mark
- A71A ˛ modifier letter lower right corner angle; Chinantec high rising tone; do not confuse with ˛, 02FC, UPA modifier letter end low tone, or ˛, modifier letter extra-low tone bar, 02E9, or ˛, right floor mathematical delimiter, 230B, or ˛, bottom right quine corner, 231F, or ˛, bottom right half bracket, 2E25
- 1DF5 ̥ combining up tack above; used in American lexicography

- A712 ǀ modifier letter extra-high left-stem tone bar; this is a spacing character; do not confuse with ǂ, left ceiling mathematical delimiter, or ǃ, UPA modifier letter begin high tone, 02F9, or Ǆ, top left quine corner, 231C, or ǅ, New Testament right angle substitution marker, 2E00, or ǆ, top left half bracket, 2E22  
see also Ǉ, A713; ǈ, A714; ǉ, A715; Ǌ, A716; compare ǋ, 02E5; ǌ, A70D; Ǎ, A708
- A713 ǂ modifier letter high left-stem tone bar; this is a spacing character; see also ǂ, A712; ǃ, A714; Ǆ, A715; ǅ, A716; compare ǆ, 02E6; Ǉ, A70E; ǈ, A709
- A714 ǃ modifier letter mid left-stem tone bar; this is a spacing character; see also ǂ, A712; ǃ, A713; Ǆ, A715; ǅ, A716; compare ǆ, 02E7; Ǉ, A70F; ǈ, A70A
- A715 Ǆ modifier letter low left-stem tone bar; this is a spacing character; see also ǂ, A712; ǃ, A713; Ǆ, A714; ǅ, A716; compare ǆ, 02E8; Ǉ, A710; ǈ, A70B
- A716 ǅ modifier letter low left-stem tone bar; this is a spacing character; see also ǂ, A712; ǃ, A713; Ǆ, A714; ǅ, A715; compare ǆ, 02E9; Ǉ, A711; ǈ, A70C
- A71B † modifier letter raised up arrow; Africanist use, tone letter; do not confuse with ‡, 2191, upwards arrow
- A71C ‡ modifier letter raised down arrow; Africanist use, tone letter; do not confuse with †, 2193, downwards arrow
- A71D † modifier letter raised exclamation mark; Africanist use, tone letter
- A71E ‡ modifier letter raised inverted exclamation mark; Africanist use, tone letter
- A71F † modifier letter low inverted exclamation mark; Africanist use, tone letter
- A789 : modifier letter colon; used as a tone letter in some orthographies; do not confuse with the punctuation mark : colon, 003A, or with † modifier letter triangular colon, 02D0
- A78A = modifier letter short equals sign; used as a tone letter in some orthographies; do not confuse with = double hyphen (a punctuation mark), 2E40, or with = equals sign, 003D, or with = Roman sextans sign, 10190, or with ≈ double oblique hyphen, 2E17
- A78F • Latin letter sinological dot; used in transliteration of 'Phags-Pa and in phonetic transcription of Tangut; do not confuse with · middle dot, 00B7
- A700 ˆ modifier letter Chinese tone yin ping
- A701 ˆ modifier letter Chinese tone yang ping
- A702 ˆ modifier letter Chinese tone yin shang
- A703 ˆ modifier letter Chinese tone yang shang
- A704 ˆ modifier letter Chinese tone yin qu
- A705 ˆ modifier letter Chinese tone yang qu
- A706 ˆ modifier letter Chinese tone yin ru
- A707 ˆ modifier letter Chinese tone yang ru
- A708 ǀ modifier letter extra-high dotted tone bar; compare ǂ, A70D; ǃ, 02E5; Ǆ, A712
- A709 ǁ modifier letter high dotted tone bar; compare ǂ, A70E; ǃ, 02E6; Ǆ, A713
- A70A ǂ modifier letter mid dotted tone bar; compare ǃ, A70F; Ǆ, 02E7; ǅ, A714
- A70B ǃ modifier letter low dotted tone bar; compare Ǆ, A710; ǅ, 02E8; ǆ, A715
- A70C Ǆ modifier letter extra-low dotted tone bar; compare ǅ, A711; ǆ, 02E9; Ǉ, A716

A70D	┌	modifier letter extra-high dotted left-stem tone bar; compare ı, A708; ı, 02E5; ı, A712
A70E	┐	modifier letter high dotted left-stem tone bar; compare ı, A709; ı, 02E6; ı, A713
A70F	└	modifier letter mid dotted left-stem tone bar; compare ı, A70A; ı, 02E7; ı, A714
A710	┘	modifier letter low dotted left-stem tone bar; compare ı, A70B; ı, 02E8; ı, A715
A711	┙	modifier letter extra-low dotted left-stem tone bar; compare ı, A70C; ı, 02E9; ı, A716

### Digits, numbers, and mathematical and logical operators, plus similarly-shaped characters

2152	¼	
2151	⅓	
2150	⅔	
1F100	0.	digit zero full stop
2213	±	minus-or-plus sign
22C5	·	dot operator; in mathematics preferred to middle dot · 00B7 for denotation of multiplication
22A1	⊠	squared dot operator
225D	≡	equal to by definition
2245	≈	approximately equal to
2246	≉	approximately but not actually equal to
2247	≠	neither approximately nor actually equal to
2249	≐	not almost equal to
226E	≪	not less-than
226F	≫	not greater-than
2270	≲	neither less-than nor equal to
2271	≳	neither greater-than nor equal to
2200	∀	universal quantifier; see also ∧, 22C0
2203	∃	existential quantifier, existential operator; see also ∨, 22C1
2204	∄	non-existence quantifier
2208	∈	is an element of
2209	∉	is not an element of
220B	∋	contains as member
220C	∌	does not contain as member
2227	∧	logical conjunction
2228	∨	logical disjunction
22C0	∧	n-ary logical and; see also ∨, 2200
22C1	∨	n-ary logical or; see also ∃, 2203
2229	∩	intersection in set theory
222A	∪	union in set theory
2282	⊂	subset of; do not confuse with ⊃, left sideways U bracket, 2E26
2283	⊃	superset of; do not confuse with ⊂, right sideways U bracket, 2E27
2284	⊄	not a subset of

2285	$\supsetneq$	not a superset of
2286	$\subseteq$	subset of or equal to
2287	$\supseteq$	superset of or equal to
2288	$\not\subseteq$	neither a subset of nor equal to
2289	$\not\supseteq$	neither a superset of nor equal to
22B2	$\triangleleft$	normal subgroup of
22B3	$\triangleright$	contains as normal subgroup
2216	$\setminus$	set minus, set difference; compare backslash (reverse solidus) $\backslash$ , 005C
22C4	$\diamond$	diamond operator; see also lozenge $\lozenge$ , 25CA, and white diamond $\whitebox{\diamond}$ , 25C7
25CA	$\lozenge$	lozenge; possibility in modal logic; see also white diamond $\whitebox{\diamond}$ , 25C7, and diamond operator $\diamond$ , 22C4
25A1	$\square$	white square; various applications in logic; see also ballot box $\square$ , 2610
220E	$\blacksquare$	end of proof; see also black square $\blacksquare$ , 25A0
22A2	$\vdash$	right tack; turnstile; proves, implies, yields; reducible
22A3	$\dashv$	left tack; reverse turnstile; non-theorem, does not yield
22A4	$\top$	down tack, 'tee'; tautology: 'top', truth, verum
22A5	$\perp$	up tack; contradiction: 'bottom', falsity, falsum
22A7	$\models$	models
22A8	$\vDash$	true
21D4	$\Leftrightarrow$	left right double arrow; if and only if, 'iff'
223C	$\sim$	tilde operator; negation, not; do not confuse with $\sim$ , tilde, 007E, or with $\sim$ , swung dash, 2053
2241	$\not\sim$	not tilde
2202	$\partial$	partial differential
2206	$\Delta$	mathematical difference or increment operator, or Laplace operator; symmetric difference; do not confuse with $\Delta$ , 0394, Greek uppercase Delta
220F	$\prod$	n-ary product
2211	$\sum$	n-ary summation

### Punctuation marks, plus similarly-shaped characters

2E34	$\textcircled{,}$	raised comma
2E4C	$\textcircled{:}$	medieval comma
2E4E	$\textcircled{;}$	punctus elevatus mark
2E33	$\cdot$	raised dot; position intermediate between full stop and middle dot
2E31	$\cdot$	word separator middle dot; do not confuse with $\cdot$ 00B7, middle dot
2E35	$\textcircled{:}$	turned semicolon
2E3D	$\textcircled{\vdots}$	vertical six dots
2E4D	$\textcircled{¶}$	paragraphus mark
2E4F	$\textcircled{\text{¶}}$	Cornish verse divider

2E40	=	double hyphen; used in transcription of old German mss.; “not intended for the representation of normal hyphens, whose doubled forms in Fraktur text are considered glyphic variants” (remark in Unicode code chart); do not confuse with = modifier letter short equals sign, A78A, or with = equals sign, 003D, or with = Roman sextans sign, 10190
2E3A	—	two-em dash (omission dash)
2E3B	—	three-em dash
27EA	«	mathematical left double angle bracket; « » are used in Latin epigraphy to mark text that is conjectured to have stood before a deletion took place
27EB	»	mathematical right double angle bracket; « » are used in Latin epigraphy to mark text that is conjectured to have stood before a deletion took place
2E20		left vertical bar with quill; Nordic editorial mark:  deletion  in ms., and  dittography
2E21		right vertical bar with quill; Nordic editorial mark:  deletion  in ms., and  dittography
27E8	<	angle bracket, new default shape; the other shape < is still available in Stylistic Set 5
27E9	>	angle bracket, new default shape; the other shape > is still available in Stylistic Set 5
2E4A	/	dotted solidus = virgula suspensiva; indicates a medial disjunction more than solidus but less than punctus elevatus
2E3E	∞	wiggly vertical line

### Various symbols including currency signs

20BF	₿	Bitcoin sign
20AB	₫	Dong sign (Vietnam)
20B4	₴	Hryvnia sign (Ukraine)
20BA	₺	Lira sign (Turkey)
20B6	ℓ	livre tournois; pre-Revolutionary French unit of account
20BD	₽	Ruble sign (Russia)
20B9	₹	Indian Rupee sign
211E	℞	recipe; cross ratio
25C7	◇	white diamond; see also lozenge ◇, 25CA, which is used as a logical symbol; and diamond operator ◊, 22C4
25A0	■	black square; see also end of proof ■, 220E
2610	□	ballot box; checkbox; see also white square □, 25A1, which is used as a logical symbol
2E4B	‡	triple dagger
25DC	↖	upper left quadrant circular arc
25DD	↗	upper right quadrant circular arc
25DE	↘	lower right quadrant circular arc
25DF	↙	lower left quadrant circular arc

### Greek

037F	Ϛ	Greek capital letter Yot; lowercase is ϛ, 03F3
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- 1018D † Greek indiction sign; in Byzantine chronology, the indiction cycle was 15 years  
 1018E Ñ nomisma sign; nomisma is the name of the gold coin known in Latin as the solidus

### Cyrillic

- 04D3 ä Cyrillic small letter a with diaeresis  
 04D1 ǎ Cyrillic small letter a with breve  
 04D2 Ä Cyrillic capital letter A with diaeresis  
 04D0 Ă Cyrillic capital letter A with breve  
 0493 ґ Cyrillic small letter ghe with stroke  
 0495 ҕ Cyrillic small letter ghe with middle hook  
 0492 Ґ Cyrillic capital letter Ghe with stroke  
 0494 Ґ̅ Cyrillic capital letter Ghe with middle hook  
 04D7 ӗ Cyrillic small letter ie with breve  
 04D9 ӓ Cyrillic small letter schwa  
 04D6 Ӗ Cyrillic capital letter Ie with breve  
 04D8 Ә Cyrillic capital letter Schwa  
 04C2 ӗ Cyrillic small letter zhe with breve  
 0497 ӗ̣ Cyrillic small letter zhe with descender  
 04C1 Ӗ̣ Cyrillic capital letter Zhe with breve  
 0496 Ӗ̣̣ Cyrillic capital letter Zhe with descender  
 0499 ӗ̣̣ Cyrillic small letter ze with descender  
 0498 Ӗ̣̣ Cyrillic capital letter Ze with descender  
 A641 ӗ Cyrillic small letter zemlya  
 A640 Ӗ Cyrillic capital letter Zemlya  
 04E1 ӗ Cyrillic small letter Abkhasian dze  
 04E0 Ӗ Cyrillic capital letter Abkhasian Dze  
 A647 ӗ Cyrillic small letter iota  
 A646 Ӗ Cyrillic capital letter Iota  
 049B ґ̣ Cyrillic small letter ka with descender  
 049D ґ̣̣ Cyrillic small letter ka with vertical stroke  
 04A1 ґ̣̣ Cyrillic small letter Bashkir ka  
 049A ґ̣̣̣ Cyrillic capital letter Ka with descender  
 049C ґ̣̣̣̣ Cyrillic capital letter Ka with vertical stroke  
 04A0 ґ̣̣̣̣ Cyrillic capital letter Bashkir Ka  
 0521 ґ̣̣̣̣̣ Cyrillic small letter el with middle hook  
 0520 ґ̣̣̣̣̣̣ Cyrillic capital letter El with middle hook  
 04A5 ґ̣̣̣̣̣̣ Cyrillic small letter en ghe  
 0523 ґ̣̣̣̣̣̣̣ Cyrillic small letter en with middle hook  
 04A3 ґ̣̣̣̣̣̣̣̣ Cyrillic small letter en with descender  
 04A4 ґ̣̣̣̣̣̣̣̣̣ Cyrillic capital letter En Ghe

0522	Ң	Cyrillic capital letter En with middle hook
04A2	Ҥ	Cyrillic capital letter En with descender
04E7	ө	Cyrillic small letter o with diaeresis
04E9	ө	Cyrillic small letter o with bar
04E6	Ӧ	Cyrillic capital letter O with diaeresis
04E8	Ӧ	Cyrillic capital letter O with bar
04AB	Ҹ	Cyrillic small letter es with descender
04AA	Ҹ	Cyrillic capital letter Es with descender
04F1	ӱ	Cyrillic small letter u with diaeresis
04EF	ӱ	Cyrillic small letter u with macron
04F3	ӱ	Cyrillic small letter u with double acute
04F0	Ӱ	Cyrillic capital letter U with diaeresis
04EE	Ӱ	Cyrillic capital letter U with macron
04F2	Ӱ	Cyrillic capital letter U with double acute
04AF	у	Cyrillic small letter straight u
04B1	у	Cyrillic small letter straight u with stroke
04AE	У	Cyrillic capital letter straight U
04B0	У	Cyrillic capital letter straight U with stroke
0479	у	Cyrillic small letter uk
0478	У	Cyrillic capital letter Uk
A64B	Ѹ	Cyrillic small letter monograph uk
A64A	Ѹ	Cyrillic capital letter monograph Uk
0461	Ѡ	Cyrillic small letter omega
047F	Ѡ	Cyrillic small letter ot
A64D	ѡ	Cyrillic small letter broad omega
047D	ѡ	Cyrillic small letter omega with titlo
047B	Ѣ	Cyrillic small letter round omega
0460	Ѡ	Cyrillic capital letter Omega
047E	Ѡ	Cyrillic capital letter Ot
A64C	ѡ	Cyrillic capital letter broad Omega
047C	ѡ	Cyrillic capital letter Omega with titlo
047A	Ѣ	Cyrillic capital letter round Omega
04B3	х	Cyrillic small letter ha with descender
04B2	Х	Cyrillic capital letter Ha with descender
04BB	х	Cyrillic small letter shha
0527	х	Cyrillic small letter shha with descender
04BA	Х	Cyrillic capital letter Shha
0526	Х	Cyrillic capital letter Shha with descender
04B9	җ	Cyrillic small letter che with vertical stroke
04CC	җ	Cyrillic small letter Khakassian che



04B8	Ч	Cyrillic capital letter Che with vertical stroke
04CB	Ч	Cyrillic capital letter Khakassian Che
A651	ы	Cyrillic small letter yeru with back yer
A650	Ы	Cyrillic capital letter Yeru with back Yer
A657	я	Cyrillic small letter iotified a
A656	Я	Cyrillic capital letter Iotified A
0465	е	Cyrillic small letter iotified e
0464	Е	Cyrillic capital letter Iotified E
046B	ѣ	Cyrillic small letter big yus
046A	Ѧ	Cyrillic capital letter big Yus
046D	ѣ	Cyrillic small letter iotified big yus
046C	Ѧ	Cyrillic capital letter Iotified big Yus
0467	ѧ	Cyrillic small letter little yus
0466	Ѧ	Cyrillic capital letter little Yus
0469	ѧ	Cyrillic small letter iotified little yus
0468	Ѧ	Cyrillic capital letter Iotified little Yus
046F	ѫ	Cyrillic small letter ksi
046E	ѫ	Cyrillic capital letter Ksi
0471	Ѱ	Cyrillic small letter psi
0470	Ѱ	Cyrillic capital letter Psi
0477	ѱ	Cyrillic capital letter izhitsa with double grave accent
0476	ѱ	Cyrillic capital letter Izhitsa with double grave accent
0481	Ѳ	Cyrillic small letter koppa
0480	Ѳ	Cyrillic capital letter Koppa
0483	ѳ	combining Cyrillic titlo; not used with titlo letters
0484	ѳ	combining Cyrillic palatalization; Slavicist notation; not used for kamora
0487	ѳ	combining Cyrillic pokrytie; used only with titlo letters
0482	Ѵ	Cyrillic thousands sign
0488	Ѵ	combining Cyrillic hundred thousands sign
0489	Ѵ	combining Cyrillic millions sign
2E2F	ѵ	vertical tilde; this is a spacing character, used for Cyrillic yerik

## Appendix 2

### Notes on Adobe InDesign

#### A note on kerning of Greek text in Adobe InDesign

Due to a bug in Adobe InDesign, kerning of Greek text in the Brill types is disabled by default when using the Adobe Paragraph Composers, but not in the World-Ready Paragraph Composers. Kerning is vital to high-quality typography; it should always be set to 'metrics' where the Brill types are concerned, not 'optical'.

To enable kerning of Greek text, apply the 'Greek' language attribute to all Greek-script text set in the Brill typeface. This bug fix applies only to the Greek script: Greek text *transliterated* using Latin characters is not affected.

#### Use of HarfBuzz as Adobe InDesign's OpenType shaper

Recent versions of Adobe InDesign allow users to switch the OpenType shaper from one of Adobe's paragraph composers to (a version of) the OpenType shaper called 'HarfBuzz' by running a one-line script. We have not made any extensive tests to see which handles Brill text better, or which subset of scripts. This means not just text set in the 'Brill' typeface, but *all* text occurring in Brill publications, in all fonts and all scripts. Anecdotal evidence suggests that HarfBuzz is as good as the built-in Adobe shapers, if not better. Especially Indic scripts are said to benefit from using HarfBuzz. [HarfBuzz](#) is an Open Source library which has been designed and developed by Behdad Esfahbod, and has proved extremely robust and capable.

It may be that Adobe will at some point give preference to HarfBuzz over the now 'older' Adobe Paragraph Composers, including the Adobe World-Ready Paragraph Composer. But no timeline has been released, nor has Adobe even committed to a definite plan to do so. All the same, quite a few bugs remain unfixed in the Adobe Paragraph Composers, and it may be advantageous to switch to HarfBuzz in the future.

At this time, the choice for HarfBuzz is made for a particular installation of Adobe InDesign, one at a time, and Harfbuzz will then perform **all** OpenType shaping for all documents which are edited and/or exported to PDF using such a copy of InDesign, so HarfBuzz works application-wide. HarfBuzz can also be disabled again, by running another one-line script, thereby returning shaping control to the original Adobe Paragraph Composers.

There is no choice of shaper per paragraph as there is, for instance, between the Adobe Paragraph Composer and the Adobe World-Ready Paragraph Composer. This may change in the future, if and when Adobe decides to expose a HarfBuzz option in the User Interface. Up until that time, use of HarfBuzz should be considered a beta feature of InDesign, and not be used in a production environment, unless so directed by Brill or when HarfBuzz demonstrably renders text better in individual cases. Testing of HarfBuzz in different scenarios is very much encouraged, if this testing is done in a closed testing environment, separate from production.

See [community.adobe.com](https://community.adobe.com).