

## IPA Extensions

**Range: 0250–02AF**

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 16.0*

This file may be changed at any time without notice to reflect errata, or other updates to the Unicode Standard. See <https://www.unicode.org/errata/> for an up-to-date list of errata.

See <https://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <https://www.unicode.org/charts/PDF/Unicode-16.0/> for charts showing only the characters added in Unicode 16.0. See <https://www.unicode.org/Public/16.0.0/charts/> for a complete archived file of character code charts for Unicode 16.0. See <https://www.unicode.org/charts/About.html#Conventions> for conventions used in these code charts, and other general information.

### Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 16.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 16.0, online at <https://www.unicode.org/versions/Unicode16.0.0/>, as well as the Unicode Standard Annexes, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See <https://www.unicode.org/ucd/> and <https://www.unicode.org/reports/>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

### Fonts

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.

See <https://www.unicode.org/charts/fonts.html> for a list.

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	025	026	027	028	029	02A
0	ɸ 0250	ɣ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ̥ 02A0
1	ɑ̃ 0251	ɡ̃ 0261	ɱ̃ 0271	ʁ̃ 0281	ʑ̃ 0291	ɸ̥̃ 02A1
2	ɒ̃ 0252	ɡ̃̄ 0262	ɱ̃̄ 0272	ʁ̃̄ 0282	ʑ̃̄ 0292	ɸ̥̄ 02A2
3	ɸ̄ 0253	ɣ̄ 0263	ɥ̄ 0273	ʀ̄ 0283	ʐ̄ 0293	ɸ̥̄ 02A3
4	ɸ̥̄ 0254	ɣ̥̄ 0264	ɥ̥̄ 0274	ʀ̥̄ 0284	ʐ̥̄ 0294	ɸ̥̥̄ 02A4
5	ɸ̥̄̄ 0255	ɣ̥̄̄ 0265	ɥ̥̄̄ 0275	ʀ̥̄̄ 0285	ʐ̥̄̄ 0295	ɸ̥̥̄̄ 02A5
6	ɸ̥̥̄̄ 0256	ɣ̥̥̄̄ 0266	ɥ̥̥̄̄ 0276	ʀ̥̥̄̄ 0286	ʐ̥̥̄̄ 0296	ɸ̥̥̥̄̄ 02A6
7	ɸ̥̥̄̄̄ 0257	ɣ̥̥̄̄̄ 0267	ɥ̥̥̄̄̄ 0277	ʀ̥̥̄̄̄ 0287	ʐ̥̥̄̄̄ 0297	ɸ̥̥̥̄̄̄ 02A7
8	ɸ̥̥̥̄̄̄ 0258	ɣ̥̥̥̄̄̄ 0268	ɥ̥̥̥̄̄̄ 0278	ʀ̥̥̥̄̄̄ 0288	ʐ̥̥̥̄̄̄ 0298	ɸ̥̥̥̥̄̄̄ 02A8
9	ɸ̥̥̥̄̄̄̄ 0259	ɣ̥̥̥̄̄̄̄ 0269	ɥ̥̥̥̄̄̄̄ 0279	ʀ̥̥̥̄̄̄̄ 0289	ʐ̥̥̥̄̄̄̄ 0299	ɸ̥̥̥̥̄̄̄̄ 02A9
A	ɸ̥̥̥̥̄̄̄̄ 025A	ɣ̥̥̥̥̄̄̄̄ 026A	ɥ̥̥̥̥̄̄̄̄ 027A	ʀ̥̥̥̥̄̄̄̄ 028A	ʐ̥̥̥̥̄̄̄̄ 029A	ɸ̥̥̥̥̥̄̄̄̄ 02AA
B	ɸ̥̥̥̥̄̄̄̄̄ 025B	ɣ̥̥̥̥̄̄̄̄̄ 026B	ɥ̥̥̥̥̄̄̄̄̄ 027B	ʀ̥̥̥̥̄̄̄̄̄ 028B	ʐ̥̥̥̥̄̄̄̄̄ 029B	ɸ̥̥̥̥̥̄̄̄̄̄ 02AB
C	ɸ̥̥̥̥̄̄̄̄̄̄ 025C	ɣ̥̥̥̥̄̄̄̄̄̄ 026C	ɥ̥̥̥̥̄̄̄̄̄̄ 027C	ʀ̥̥̥̥̄̄̄̄̄̄ 028C	ʐ̥̥̥̥̄̄̄̄̄̄ 029C	ɸ̥̥̥̥̥̄̄̄̄̄̄ 02AC
D	ɸ̥̥̥̥̄̄̄̄̄̄̄ 025D	ɣ̥̥̥̥̄̄̄̄̄̄̄ 026D	ɥ̥̥̥̥̄̄̄̄̄̄̄ 027D	ʀ̥̥̥̥̄̄̄̄̄̄̄ 028D	ʐ̥̥̥̥̄̄̄̄̄̄̄ 029D	ɸ̥̥̥̥̥̄̄̄̄̄̄̄ 02AD
E	ɸ̥̥̥̥̄̄̄̄̄̄̄̄ 025E	ɣ̥̥̥̥̄̄̄̄̄̄̄̄ 026E	ɥ̥̥̥̥̄̄̄̄̄̄̄̄ 027E	ʀ̥̥̥̥̄̄̄̄̄̄̄̄ 028E	ʐ̥̥̥̥̄̄̄̄̄̄̄̄ 029E	ɸ̥̥̥̥̥̄̄̄̄̄̄̄̄ 02AE
F	ɸ̥̥̥̥̄̄̄̄̄̄̄̄̄ 025F	ɣ̥̥̥̥̄̄̄̄̄̄̄̄̄ 026F	ɥ̥̥̥̥̄̄̄̄̄̄̄̄̄ 027F	ʀ̥̥̥̥̄̄̄̄̄̄̄̄̄ 028F	ʐ̥̥̥̥̄̄̄̄̄̄̄̄̄ 029F	ɸ̥̥̥̥̥̄̄̄̄̄̄̄̄̄ 02AF

**IPA extensions**

*IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.*

- 00E6 æ latin small letter ae
  - 00E7 ç latin small letter c with cedilla
  - 00F0 ð latin small letter eth
  - 00F8 ø latin small letter o with stroke
  - 0127 ħ latin small letter h with stroke
  - 014B ŋ latin small letter eng
  - 0153 œ latin small ligature oe
  - 03B2 β greek small letter beta
  - 03B8 θ greek small letter theta
  - 03BB λ greek small letter lamda
  - 03C7 χ greek small letter chi
- Many of the IPA characters in this block are also used in significant orthographies, such as those for African languages.*
- 0250 ɾ **LATIN SMALL LETTER TURNED A**
    - low central unrounded vowel
    - uppercase is 2C6F **Ŧ**
  - 0251 ɑ **LATIN SMALL LETTER ALPHA**
    - = latin small letter script a (1.0)
    - low back unrounded vowel
    - the representative glyph appears like an allograph of Latin “a”, but sometimes the character is rendered more like a Greek “α”
    - uppercase is 2C6D **Ɑ**
    - 03B1 α greek small letter alpha
  - 0252 ɒ **LATIN SMALL LETTER TURNED ALPHA**
    - low back rounded vowel
    - uppercase is 2C70 **Ɔ**
    - AB64 ɑ latin small letter inverted alpha
  - 0253 ɓ **LATIN SMALL LETTER B WITH HOOK**
    - implosive bilabial stop
    - uppercase is 0181 **Ɓ**
    - 0431 б cyrillic small letter be
  - 0254 ɔ **LATIN SMALL LETTER OPEN O**
    - typographically a turned c
    - lower-mid back rounded vowel
    - in older Danish usage “ɔ:” stands for “that is”
    - uppercase is 0186 **Ɔ**
    - 1D10 ɔ latin letter small capital open o
    - 2184 ɔ latin small letter reversed c
  - 0255 ɕ **LATIN SMALL LETTER C WITH CURL**
    - voiceless alveolo-palatal laminal fricative
    - used in transcription of Mandarin Chinese
    - sound spelled with 015B ś in Polish
  - 0256 ɔ̣ **LATIN SMALL LETTER D WITH TAIL**
    - = d retroflex hook
    - voiced retroflex stop
    - uppercase is 0189 **Ɖ**
  - 0257 ɖ **LATIN SMALL LETTER D WITH HOOK**
    - implosive dental or alveolar stop
    - Ewe, Pan-Nigerian alphabet
    - uppercase is 018A **Ɗ**
  - 0258 ɘ **LATIN SMALL LETTER REVERSED E**
    - upper-mid central unrounded vowel

- 0259 ə **LATIN SMALL LETTER SCHWA**
  - mid-central unrounded vowel
  - uppercase is 018F **Ə**
  - variant uppercase form 018E **Ǝ** is associated with 01DD ə
  - 01DD ə latin small letter turned e
  - 04D9 ə cyrillic small letter schwa
- 025A ɘ̣ **LATIN SMALL LETTER SCHWA WITH HOOK**
  - rhotacized schwa
- 025B ε **LATIN SMALL LETTER OPEN E**
  - = epsilon
  - lower-mid front unrounded vowel
  - uppercase is 0190 **Ɛ**
  - 03B5 ε greek small letter epsilon
  - 0511 ε cyrillic small letter reversed ze
- 025C ɜ **LATIN SMALL LETTER REVERSED OPEN E**
  - = reversed epsilon
  - lower-mid central unrounded vowel
  - uppercase is A7AB **Ʒ**
  - 0437 з cyrillic small letter ze
  - 1D08 ɜ latin small letter turned open e
- 025D ɞ̣ **LATIN SMALL LETTER REVERSED OPEN E WITH HOOK**
  - rhotacized lower-mid central vowel
- 025E ɞ̥ **LATIN SMALL LETTER CLOSED REVERSED OPEN E**
  - = closed reversed epsilon
  - lower-mid central rounded vowel
  - 029A ɞ latin small letter closed open e
- 025F ɸ **LATIN SMALL LETTER DOTLESS J WITH STROKE**
  - voiced palatal stop
  - typographically a turned f, but better thought of as a form of j
  - “gy” in Hungarian orthography
  - also archaic phonetic for palatoalveolar affricate 02A4 ɸ̣
- 0260 ɣ̣ **LATIN SMALL LETTER G WITH HOOK**
  - implosive velar stop
  - uppercase is 0193 **Ɠ**
- 0261 ɣ̥ **LATIN SMALL LETTER SCRIPT G**
  - voiced velar stop
  - uppercase is A7AC **Ɠ**
  - 0067 g latin small letter g
  - 210A ɣ̥ script small g
- 0262 ɢ **LATIN LETTER SMALL CAPITAL G**
  - voiced uvular stop
- 0263 ɣ̥ **LATIN SMALL LETTER GAMMA**
  - voiced velar fricative
  - uppercase is 0194 **Ɣ**
  - 03B3 γ greek small letter gamma
- 0264 ɣ̥̥̥ **LATIN SMALL LETTER RAMS HORN**
  - = latin small letter baby gamma (1.0)
  - upper-mid back unrounded vowel
  - uppercase is A7CB **Ɣ̥̥̥**
- 0265 ɥ̥ **LATIN SMALL LETTER TURNED H**
  - voiced rounded palatal approximant
  - uppercase is A78D **ƥ**
- 0266 ɦ̥ **LATIN SMALL LETTER H WITH HOOK**
  - breathy-voiced glottal fricative
  - uppercase is A7AA **Ƨ**
  - uppercase in Nawdm is 0124 **Ḥ**
  - 02B1 ɦ̥ modifier letter small h with hook

0267	ɸ	<b>LATIN SMALL LETTER HENG WITH HOOK</b> • voiceless coarticulated velar and palatoalveolar fricative • “sj” in some Swedish dialects → A727 <b>ɸ</b> latin small letter heng	0273	ɳ	<b>LATIN SMALL LETTER N WITH RETROFLEX HOOK</b> • voiced retroflex nasal
0268	ĩ	<b>LATIN SMALL LETTER I WITH STROKE</b> = barred i, i bar • high central unrounded vowel • uppercase is 0197 <b>Ī</b> • ISO 6438 gives lowercase of 0197 <b>ĩ</b> as 026A <b>ɪ</b> , not 0268 <b>ı̇</b> → 1D7B <b>ı̇</b> latin small capital letter i with stroke	0274	ɴ	<b>LATIN LETTER SMALL CAPITAL N</b> • voiced uvular nasal
0269	ɪ	<b>LATIN SMALL LETTER IOTA</b> • semi-high front unrounded vowel • obsoleted by IPA in 1989 • preferred use is 026A <b>ɪ</b> latin letter small capital i • uppercase is 0196 <b>Ī</b> → 0131 <b>ı̇</b> latin small letter dotless i → 03B9 <b>ι</b> greek small letter iota → A647 <b>Ѳ</b> cyrillic small letter iota → 1D6A4 <b>ɪ</b> mathematical italic small dotless i	0275	ɵ	<b>LATIN SMALL LETTER BARRED O</b> = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F <b>Θ</b> → 03B8 <b>θ</b> greek small letter theta → 0473 <b>Ѳ</b> cyrillic small letter fita → 04E9 <b>Ѳ</b> cyrillic small letter barred o
026A	ɪ	<b>LATIN LETTER SMALL CAPITAL I</b> • semi-high front unrounded vowel • preferred IPA alternate for 0269 <b>ɪ</b> • uppercase is A7AE <b>Ī</b> • ISO 6438 gives this as lowercase of 0197 <b>ĩ</b> instead of 0268 <b>ı̇</b> • glyph should have top and bottom serifs even in sans serif IPA font designs, to avoid confusion with lowercase <b>l</b> → 0131 <b>ı̇</b> latin small letter dotless i	0276	œ	<b>LATIN LETTER SMALL CAPITAL OE</b> • low front rounded vowel → 0153 <b>œ</b> latin small ligature oe
026B	ł	<b>LATIN SMALL LETTER L WITH MIDDLE TILDE</b> • velarized voiced alveolar lateral approximant • uppercase is 2C62 <b>Ł</b> → 0142 <b>ł</b> latin small letter l with stroke → AB37 <b>ł</b> latin small letter l with inverted lazy s → AB38 <b>ł̣</b> latin small letter l with double middle tilde	0277	ω	<b>LATIN SMALL LETTER CLOSED OMEGA</b> • near-close near-back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A <b>υ</b> latin small letter upsilon → A7B7 <b>ω</b> latin small letter omega → AB65 <b>Ω</b> greek letter small capital omega
026C	ł̥	<b>LATIN SMALL LETTER L WITH BELT</b> • voiceless alveolar lateral fricative • uppercase is A7AD <b>Ł̥</b> → 019A <b>ł̥</b> latin small letter l with bar	0278	ϕ	<b>LATIN SMALL LETTER PHI</b> • voiceless bilabial fricative • this is a non-casing letter → 03C6 <b>ϕ</b> greek small letter phi → 03D5 <b>ϕ</b> greek phi symbol → 2C77 <b>ϕ</b> latin small letter tailless phi
026D	ɭ	<b>LATIN SMALL LETTER L WITH RETROFLEX HOOK</b> • voiced retroflex lateral → A78E <b>ɭ</b> latin small letter l with retroflex hook and belt	0279	ɹ	<b>LATIN SMALL LETTER TURNED R</b> • voiced alveolar approximant → 02B4 <b>ɹ</b> modifier letter small turned r
026E	ɮ	<b>LATIN SMALL LETTER LEZH</b> • voiced lateral fricative • “dhl” in Zulu orthography	027A	ɹ̄	<b>LATIN SMALL LETTER TURNED R WITH LONG LEG</b> • voiced lateral flap
026F	ɯ	<b>LATIN SMALL LETTER TURNED M</b> • high back unrounded vowel • uppercase is 019C <b>Ū</b> → A7FA <b>ɯ</b> latin letter small capital turned m	027B	ɹ̣	<b>LATIN SMALL LETTER TURNED R WITH HOOK</b> • voiced retroflex approximant → 02B5 <b>ɹ̣</b> modifier letter small turned r with hook
0270	ɯ̄	<b>LATIN SMALL LETTER TURNED M WITH LONG LEG</b> • voiced velar approximant	027C	ɹ̄	<b>LATIN SMALL LETTER R WITH LONG LEG</b> • voiced strident apico-alveolar trill • obsoleted by IPA in 1989 • this sound is spelled with 0159 <b>ř</b> in Czech • preferred phonetic representation for Czech is 0072 <b>ɹ</b> 031D <b>ɹ̣</b> • in current use in Gaelic types (as glyph variant of 0072 <b>ɹ</b> ) → A783 <b>ɹ̄</b> latin small letter insular r → A785 <b>ɹ̄</b> latin small letter insular s
0271	ɱ	<b>LATIN SMALL LETTER M WITH HOOK</b> • voiced labiodental nasal • uppercase is 2C6E <b>ᄀ</b> → 1D86 <b>ɱ</b> latin small letter m with palatal hook	027D	ɹ̥	<b>LATIN SMALL LETTER R WITH TAIL</b> • voiced retroflex flap • uppercase is 2C64 <b>ᄁ</b> → 2C79 <b>ɹ̥</b> latin small letter turned r with tail
0272	ɲ	<b>LATIN SMALL LETTER N WITH LEFT HOOK</b> • voiced palatal nasal • uppercase is 019D <b>Ñ</b>	027E	ɹ̥	<b>LATIN SMALL LETTER R WITH FISHHOOK</b> • voiced alveolar flap or tap → 017F <b>ɹ̥</b> latin small letter long s
			027F	ɹ̥	<b>LATIN SMALL LETTER REVERSED R WITH FISHHOOK</b> = long leg turned iota (a misnomer) • apical dental vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 007A <b>z</b> 0329 <b>ɹ̥</b> • preferred presentation is with a descender

0280	<b>R</b>	<b>LATIN LETTER SMALL CAPITAL R</b> • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 <b>R</b>	028C	<b>Λ</b>	<b>LATIN SMALL LETTER TURNED V</b> = caret, wedge • lower-mid back unrounded vowel • uppercase is 0245 <b>Λ</b> → 039B <b>Λ</b> greek capital letter lamda → 1D27 <b>Λ</b> greek letter small capital lamda → 2227 <b>Λ</b> logical and
0281	<b>ʀ</b>	<b>LATIN LETTER SMALL CAPITAL INVERTED R</b> • voiced uvular fricative or approximant → 02B6 <sup>ʀ</sup> modifier letter small capital inverted r	028D	<b>ʍ</b>	<b>LATIN SMALL LETTER TURNED W</b> • voiceless rounded labiovelar approximant → AB69 <sup>ʍ</sup> modifier letter small turned w
0282	<b>ʂ</b>	<b>LATIN SMALL LETTER S WITH HOOK</b> • voiceless retroflex fricative • uppercase is A7C5 <b>Š</b>	028E	<b>ɰ</b>	<b>LATIN SMALL LETTER TURNED Y</b> • voiced lateral approximant
0283	<b>Ƀ</b>	<b>LATIN SMALL LETTER ESH</b> • voiceless postalveolar fricative • uppercase is 01A9 <b>Ǝ</b> → 222B <b>Ƀ</b> integral → AB4D <b>Ƀ</b> latin small letter baseline esh	028F	<b>ɤ</b>	<b>LATIN LETTER SMALL CAPITAL Y</b> • semi-high front rounded vowel
0284	<b>Ʉ</b>	<b>LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK</b> • implosive palatal stop • typographically based on 025F <b>Ʉ</b> , not on 0283 <b>Ƀ</b>	0290	<b>ɇ</b>	<b>LATIN SMALL LETTER Z WITH RETROFLEX HOOK</b> • voiced retroflex fricative
0285	<b>Ɂ</b>	<b>LATIN SMALL LETTER SQUAT REVERSED ESH</b> • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 <b>ɇ</b> 0329 <b>Ɂ</b> • in origin 027F <b>Ɂ</b> plus the retroflex hook 0322 <b>Ɂ</b> , despite its name • preferred presentation is with a descender	0291	<b>Ɇ</b>	<b>LATIN SMALL LETTER Z WITH CURL</b> • voiced alveolo-palatal laminal fricative • sound spelled with 017A <b>Ż</b> in Polish
0286	<b>Ƀ</b>	<b>LATIN SMALL LETTER ESH WITH CURL</b> • palatalized voiceless postalveolar fricative • suggested spelling - 0283 <b>Ƀ</b> 02B2 <sup>Ƀ</sup>	0292	<b>Ʉ</b>	<b>LATIN SMALL LETTER EZH</b> = dram sign • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 <b>Ɔ</b> • Skolt Sami → 021D <b>Ʉ</b> latin small letter yogh → 04E1 <b>Ʉ</b> cyrillic small letter abkhasian dze → 2125 <b>Ʉ</b> ounce sign → 1F772 <b>Ʉ</b> alchemical symbol for half dram → 2CF01 <b>Ʉ</b>
0287	<b>ɀ</b>	<b>LATIN SMALL LETTER TURNED T</b> • dental click (sound of “tsk tsk”) • uppercase is A7B1 <b>ɀ</b> → 01C0 <b>ɀ</b> latin letter dental click	0293	<b>Ɇ</b>	<b>LATIN SMALL LETTER EZH WITH CURL</b> • palatalized voiced postalveolar fricative
0288	<b>ɀ</b>	<b>LATIN SMALL LETTER T WITH RETROFLEX HOOK</b> • voiceless retroflex stop • uppercase is 01AE <b>ɀ</b> → 01AD <b>ɀ</b> latin small letter t with hook → 1DF09 <b>ɀ</b> latin small letter t with hook and retroflex hook	0294	<b>ʔ</b>	<b>LATIN LETTER GLOTTAL STOP</b> • this is a caseless letter • used in IPA, other phonetic notations, and those orthographies which use a caseless glottal stop → 0241 <b>ʔ</b> latin capital letter glottal stop → 02C0 <b>ʔ</b> modifier letter glottal stop
0289	<b>ʉ</b>	<b>LATIN SMALL LETTER U BAR</b> • high central rounded vowel • uppercase is 0244 <b>Ʈ</b> → 1D7E <b>ʉ</b> latin small capital letter u with stroke	0295	<b>Ɂ</b>	<b>LATIN LETTER PHARYNGEAL VOICED FRICATIVE</b> = reversed glottal stop • voiced pharyngeal fricative • ain → 01B9 <b>Ɂ</b> latin small letter ezh reversed → 02C1 <b>Ɂ</b> modifier letter reversed glottal stop
028A	<b>ʊ</b>	<b>LATIN SMALL LETTER UPSILON</b> • near-close near-back rounded vowel • typographically, a turned Greek small capital omega AB65 <b>Ω</b> • preferred IPA alternate to 0277 <b>ω</b> • uppercase is 01B1 <b>Ο</b> → 03C5 <b>ʊ</b> greek small letter upsilon	0296	<b>Ƀ</b>	<b>LATIN LETTER INVERTED GLOTTAL STOP</b> • lateral click → 01C1 <b>Ƀ</b> latin letter lateral click
028B	<b>ʋ</b>	<b>LATIN SMALL LETTER V WITH HOOK</b> = latin small letter script v (1.0) • voiced labiodental approximant • uppercase is 01B2 <b>Ʊ</b> → 03C5 <b>ʋ</b> greek small letter upsilon	0297	<b>Ʉ</b>	<b>LATIN LETTER STRETCHED C</b> • palatal (or alveolar) click → 01C3 <b>Ʉ</b> latin letter retroflex click → 2201 <b>Ʉ</b> complement
			0298	<b>⦿</b>	<b>LATIN LETTER BILABIAL CLICK</b> = bullseye • this is a non-casing letter → 2299 <b>⦿</b> circled dot operator → A668 <b>⦿</b> cyrillic capital letter monocular o
			0299	<b>В</b>	<b>LATIN LETTER SMALL CAPITAL B</b> • bilabial trill → 0432 <b>В</b> cyrillic small letter ve

- 029A **ə** LATIN SMALL LETTER CLOSED OPEN E  
 = closed epsilon  
 • lower-mid front rounded vowel  
 • non-IPA alternate for the preferred 0153 œ  
 → 025E **ɢ** latin small letter closed reversed open e
- 029B **ɠ** LATIN LETTER SMALL CAPITAL G WITH HOOK  
 • voiced uvular implosive
- 029C **Ḥ** LATIN LETTER SMALL CAPITAL H  
 • voiceless epiglottal fricative  
 → 043D **Ḥ** cyrillic small letter en  
 → 1D34 **Ḥ** modifier letter capital h  
 → A7F8 **Ḥ** modifier letter capital h with stroke
- 029D **ɶ** LATIN SMALL LETTER J WITH CROSSED-TAIL  
 • voiced palatal fricative  
 • uppercase is A7B2 **Ɔ**
- 029E **ɰ** LATIN SMALL LETTER TURNED K  
 • proposed for velar click  
 • uppercase is A7B0 **Ɔ**  
 • withdrawn by IPA in 1970  
 → 1DF10 **ɰ** latin letter small capital turned k
- 029F **ɭ** LATIN LETTER SMALL CAPITAL L  
 • velar lateral approximant
- 02A0 **ɥ** LATIN SMALL LETTER Q WITH HOOK  
 • voiceless uvular implosive
- 02A1 **ʔ** LATIN LETTER GLOTTAL STOP WITH STROKE  
 • voiced epiglottal stop
- 02A2 **ɥ** LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE  
 • voiced epiglottal fricative
- 02A3 **ɗ** LATIN SMALL LETTER DZ DIGRAPH  
 • voiced dental affricate  
 → AB66 **ɗ** latin small letter dz digraph with retroflex hook
- 02A4 **ɗ͡ʒ** LATIN SMALL LETTER DEZH DIGRAPH  
 • voiced postalveolar affricate
- 02A5 **ɗ͡ʒ͡** LATIN SMALL LETTER DZ DIGRAPH WITH CURL  
 • voiced alveolo-palatal affricate
- 02A6 **ɗ͡ʒ͡͡** LATIN SMALL LETTER TS DIGRAPH  
 • voiceless dental affricate  
 → 01BE **ɗ͡ʒ͡͡** latin letter inverted glottal stop with stroke  
 → AB67 **ɗ͡ʒ͡͡** latin small letter ts digraph with retroflex hook
- 02A7 **ɗ͡ʒ͡͡͡** LATIN SMALL LETTER TESH DIGRAPH  
 • voiceless postalveolar affricate  
 → A729 **ɗ͡ʒ͡͡͡** latin small letter tz
- 02A8 **ɗ͡ʒ͡͡͡͡** LATIN SMALL LETTER TC DIGRAPH WITH CURL  
 • voiceless alveolo-palatal affricate

**IPA characters for disordered speech**

- 02A9 **ɸ͡ɸ͡** LATIN SMALL LETTER FENG DIGRAPH  
 • velopharyngeal fricative
- 02AA **ɸ͡ɸ͡͡** LATIN SMALL LETTER LS DIGRAPH  
 • lateral alveolar fricative (lisp)
- 02AB **ɸ͡ɸ͡͡͡** LATIN SMALL LETTER LZ DIGRAPH  
 • voiced lateral alveolar fricative
- 02AC **ɸ͡ɸ͡͡͡͡** LATIN LETTER BILABIAL PERCUSSIVE  
 • audible lip smack
- 02AD **ɸ͡ɸ͡͡͡͡͡** LATIN LETTER BIDENTAL PERCUSSIVE  
 • audible teeth gnashing

**Additions for Sinology**

- 02AE **ɸ͡ɸ͡͡͡͡͡͡** LATIN SMALL LETTER TURNED H WITH FISHHOOK