

Doulos SIL - Font Features

Doulos SIL is an OpenType-enabled font that supports the Latin and Cyrillic scripts. It includes a number of optional features that may be useful or required for particular uses or languages. This document lists all the available features.

These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. For more information on how to access OpenType features in specific environments and applications, see [Using Font Features](#).

Please note that Graphite support has been removed in the current release, but continues to be available in the version 5 fonts. See our [Previous Versions archive](#).

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Doulos SIL as a web font see [Doulos SIL Webfont Example](#). For detailed information see [Using SIL Fonts on Web Pages](#).

If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.

Complete feature list

Stylistic alternates

Small caps from lowercase

Affects: all lowercase letters with capital equivalents

| Feature | Sample | Feature setting |
|------------|--|-----------------|
| Standard | a ... Z (all letters with capital equivalents) | smcp=0 |
| Small caps | A ... Z (all letters with capital equivalents) | smcp=1 |

Small caps from capitals

Affects: all capitals

| Feature | Sample | Feature setting |
|------------|------------------------|-----------------|
| Standard | A ... Z (all capitals) | c2sc=0 |
| Small caps | A ... Z (all capitals) | c2sc=1 |

Character alternates

B hook

Affects: U+0181

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | B | cv13=0 |
| Lowercase-style | Ḃ | cv13=1 |

D hook

Affects: U+018A

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | D | cv17=0 |
| Lowercase-style | Ḑ | cv17=1 |

H stroke

Affects: U+0126

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | H | cv28=0 |
| Vertical stroke | Ḣ | cv28=1 |

J stroke hook

Affects: U+0284

| Feature | Sample | Feature setting |
|-----------|--------|-----------------|
| Standard | ƒ | cv37=0 |
| Top serif | ḟ | cv37=1 |

Eng

Affects: U+014A

| Feature | Sample | Feature setting |
|----------------------------------|--------|-----------------|
| Standard | Ŋ | cv43=0 |
| Lowercase style on baseline | ḱ | cv43=1 |
| Uppercase style with descender | Ḳ | cv43=2 |
| Alt. lowercase style on baseline | Ḵ | cv43=3 |

N left hook

Affects: U+019D

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | N | cv44=0 |
| Lowercase-style | n | cv44=1 |

Open-O

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

| Feature | Sample | Feature setting |
|-----------|-----------|-----------------|
| Standard | Ɔ ɔ ɔ ɔ ɔ | cv46=0 |
| Top serif | Ɔ ɔ ɔ ɔ ɔ | cv46=1 |

OU

Affects: U+0222 U+0223 U+1D3D U+1D15

| Feature | Sample | Feature setting |
|----------|---------|-----------------|
| Standard | 8 8 8 8 | cv47=0 |
| Open | 8 8 8 8 | cv47=1 |

p hook

Affects: U+01A5

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | Ɔ | cv49=0 |
| Right hook | p | cv49=1 |

R tail

Affects: U+2C64

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | R | cv55=0 |
| Lowercase-style | r | cv55=1 |

T hook

Affects: U+01AC

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | T | cv57=0 |
| Right hook | T | cv57=1 |

V hook

Affects: U+01B2 U+028B U+1DB9

| Feature | Sample | Feature setting |
|-------------------------|---------------------|-----------------|
| Standard | U u ^v | cv62=0 |
| Straight with low hook | V v ^v | cv62=1 |
| Straight with high hook | V̇ v̇ ^{v̇} | cv62=2 |

Y hook

Affects: U+01B3

| Feature | Sample | Feature setting |
|-----------|--------|-----------------|
| Standard | Y | cv68=0 |
| Left hook | Y̅ | cv68=1 |

Ezh

Affects: U+01B7 U+04E0

| Feature | Sample | Feature setting |
|----------------|--------|-----------------|
| Standard | З з | cv20=0 |
| Reversed sigma | Ʒ Ʒ | cv20=1 |

ezh curl

Affects: U+0293

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | Ʒ | cv19=0 |
| Large bowl | Ʒ̃ | cv19=1 |

rams horn

Affects: U+0264

| Feature | Sample | Feature setting |
|-------------|--------|-----------------|
| Standard | Ƴ | cv25=0 |
| Large bowl | Ƴ̃ | cv25=1 |
| Small gamma | Ƴ̥ | cv25=2 |

Diacritic and symbol alternates

Vietnamese-style diacritics

Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

| Feature | Sample | Feature setting |
|------------------|---|-----------------|
| Standard | Ắắ Ằằ Ẳẳ Ẵẵ Ằằ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ỗỗ Ỗỗ | cv75=0 |
| Vietnamese-style | Ắắ Ằằ Ẳẳ Ẵẵ Ằằ Ắắ Ằằ Ẳẳ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ỗỗ Ỗỗ | cv75=1 |

Kayan diacritics

Affects: U+0300 U+0301

| Feature | Sample | Feature setting |
|--------------|--------|-----------------|
| Standard | ◌̣ | cv79=0 |
| Side by side | ◌̣̣ | cv79=1 |

Ogonek

Affects: U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED

| Feature | Sample | Feature setting |
|----------|--------------------------------------|-----------------|
| Standard | anything with ◌̇ (Ąą Ęę Ĳ Ĳ Qq Q̇q̇) | cv76=0 |
| Straight | anything with ◌̣ (Ąą Ęę Ĳ Ĳ Qq Q̇q̇) | cv76=1 |

Caron

Affects: U+010F U+013D U+013E U+0165

| Feature | Sample | Feature setting |
|--------------|---------|-----------------|
| Standard | ď Ľ ľ ť | cv77=0 |
| Global-style | ǎ Ľ ľ ť | cv77=1 |

Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

| Feature | Sample | Feature setting |
|----------|--------|-----------------|
| Standard | ’ ’ ’ | cv70=0 |
| Large | ’ ’ ’ | cv70=1 |

Modifier colon

Affects: U+A789

| Feature | Sample | Feature setting |
|----------|--------|-----------------|
| Standard | : | cv71=0 |
| Expanded | : | cv71=1 |

Empty set

Affects: U+2205

| Feature | Sample | Feature setting |
|------------|--------|-----------------|
| Standard | ∅ | cv98=0 |
| Zero-style | ∅ | cv98=1 |

Cyrillic alternates

There are also Cyrillic characters affected by the “Ezh” and “Small capitals” features. Some languages may also use the “Modifier apostrophe”.

Cyrillic E

Affects: U+042D U+044D

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | Ә ә | cv80=0 |
| Mongolian-style | ᠡ ᠢ | cv80=1 |

Cyrillic shha

Affects: U+04BB

| Feature | Sample | Feature setting |
|-----------------|--------|-----------------|
| Standard | Һ | cv81=0 |
| Uppercase-style | Ң | cv81=1 |

Cyrillic breve

Affects: U+0306

| Feature | Sample | Feature setting |
|----------------|----------------------|-----------------|
| Standard | anything with ъ (ѣѣ) | cv82=0 |
| Cyrillic-style | anything with ъ (ѣѣ) | cv82=1 |

Serbian Cyrillic alternates

Unlike other features this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature.

Affects: U+0431

| Feature | Sample | Feature setting |
|----------|--------|-----------------|
| Standard | Ѓ | |
| Serbian | đ | lang='sr' |

Tone alternates

Chinantec tones

Affects: U+02CB U+02C8 U+02C9 U+02CA

| Feature | Sample | Feature setting |
|-----------------|---------|-----------------|
| Standard | ˘ ˊ ˋ ˊ | cv90=0 |
| Chinantec-style | ˘ ˊ ˋ ˊ | cv90=1 |

Tone numbers

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

| Feature | Sample | Feature setting |
|----------|---------------------|-----------------|
| Standard | ᵀ ᵀ ˥ ˥ ˩ ˩ ˩ ˩ | cv91=0 |
| Numbers | 5 4 3 2 1 5 4 3 2 1 | cv91=1 |

Hide tone contour staves

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

| Feature | Sample | Feature setting |
|-------------|-----------------------|-----------------|
| Standard | ᵀ ᵀ ˥ ˥ ˩ ˩ ˩ ˩ (ᵀ ˥) | cv92=0 |
| Hide staves | ˉ ˉ ˉ ˉ ˉ ˉ ˉ ˉ (ᵀ ˥) | cv92=1 |