

## CJK Strokes

Range: 31C0–31EF

### DRAFT The Unicode Standard, Version 16.0 ALPHA REVIEW

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

Characters in this chart that are new for The Unicode Standard, Version 16.0 are shown in conjunction with any existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the names list.

This file will not be updated with errata, or when additional characters are assigned 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 Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, 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.

Copying characters from the character code tables or list of character names is not recommended, because for production reasons the PDF files for the code charts cannot guarantee that the correct character codes will always be copied.

### Fonts

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number of different font designers, who own the rights to the fonts.

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

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










































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The Unicode Consortium is not liable for errors or omissions in this file or the standard itself. Information on characters added to the Unicode Standard since the publication of the most recent version of the Unicode Standard, as well as on characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

*See <https://www.unicode.org/pending/pending.html> and <https://www.unicode.org/alloc/Pipeline.html>.*

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|   | 31C   | 31D   | 31E   |
|---|---|---|---|
| 0 | <br>31C0   | <br>31D0   | <br>31E0   |
| 1 | <br>31C1   | <br>31D1   | <br>31E1   |
| 2 | <br>31C2   | <br>31D2   | <br>31E2   |
| 3 | <br>31C3   | <br>31D3   | <br>31E3   |
| 4 | <br>31C4   | <br>31D4   | <br>31E4   |
| 5 | <br>31C5   | <br>31D5   | <br>31E5   |
| 6 | <br>31C6   | <br>31D6   |            |
| 7 | <br>31C7 | <br>31D7 |          |
| 8 | <br>31C8 | <br>31D8 |          |
| 9 | <br>31C9 | <br>31D9 |          |
| A | <br>31CA | <br>31DA |          |
| B | <br>31CB | <br>31DB |          |
| C | <br>31CC | <br>31DC |          |
| D | <br>31CD | <br>31DD |          |
| E | <br>31CE | <br>31DE |          |
| F | <br>31CF | <br>31DF | <br>31EF |

## CJK strokes

|      |   |                  |  |
|------|---|------------------|--|
| 31C0 | 一 | CJK STROKE T     | • 2nd stroke of 51B0 冰   |
| 31C1 | 丩 | CJK STROKE WG    | • 2nd stroke of 72D0 狐   |
| 31C2 | 乚 | CJK STROKE XG    | • 5th stroke of 6211 我   |
| 31C3 | ㇇ | CJK STROKE BXG   | • occurs only in Kaiti typefaces<br>• equivalent to SWG stroke in Songti typefaces<br>• 2nd stroke of 5FC3 心 |
| 31C4 | ㇈ | CJK STROKE SW    | • 3rd stroke of 4EA1 亡<br>• 4th stroke of 56DB 四   |
| 31C5 | ㇉ | CJK STROKE HZZ   | • 1st stroke of 534D 卍   |
| 31C6 | ㇊ | CJK STROKE HZG   | • 1st stroke of 7FBD 羽<br>• 1st stroke of 4E5F 也   |
| 31C7 | ㇋ | CJK STROKE HP    | • 1st stroke of 53C8 又<br>• 4th stroke of 4ECA 今   |
| 31C8 | ㇌ | CJK STROKE HZWG  | • 2nd stroke of 4E5D 九   |
| 31C9 | ㇍ | CJK STROKE SZWG  | • 3rd stroke of 5F13 弓<br>• 2nd stroke of 9A6C 马   |
| 31CA | ㇎ | CJK STROKE HZT   | • 2nd stroke of 8BA1 计<br>• 2nd stroke of 9CE9 鳩   |
| 31CB | ㇏ | CJK STROKE HZZP  | • 1st stroke of 53CA 及   |
| 31CC | ㇐ | CJK STROKE HPWG  | • 1st stroke of 961D 卩<br>• 6th stroke of 90AE 邨   |
| 31CD | ㇑ | CJK STROKE HZW   | • 5th stroke of 6295 投   |
| 31CE | ㇒ | CJK STROKE HZZZ  | • 1st stroke of 51F8 凸   |
| 31CF | ㇓ | CJK STROKE N     | • 3rd stroke of 5927 大   |
| 31D0 | 一 | CJK STROKE H     | • 1st stroke of 5927 大<br>• 1st stroke of 4E03 七   |
| 31D1 | 丨 | CJK STROKE S     | • 4th stroke of 4E2D 中   |
| 31D2 | ㇔ | CJK STROKE P     | • 1st stroke of 4E4F 乏   |
| 31D3 | ㇕ | CJK STROKE SP    | • 1st stroke of 6708 月   |
| 31D4 | ㇖ | CJK STROKE D     | • 3rd stroke of 4E38 丸   |
| 31D5 | ㇗ | CJK STROKE HZ    | • 2nd stroke of 56DB 四   |
| 31D6 | ㇘ | CJK STROKE HG    | • 1st stroke of 758B 疋<br>• 1st stroke of 5B50 子   |
| 31D7 | ㇙ | CJK STROKE SZ    | • 2nd stroke of 5C71 山<br>• 2nd stroke of 4E1C 东   |
| 31D8 | ㇚ | CJK STROKE SWZ   | • 6th stroke of 8085 肅   |
| 31D9 | ㇛ | CJK STROKE ST    | • 3rd stroke of 6C11 民   |
| 31DA | ㇜ | CJK STROKE SG    | • 1st stroke of 6C34 水   |
| 31DB | ㇝ | CJK STROKE PD    | • 1st stroke of 5DE1 巡<br>• 1st stroke of 5973 女   |
| 31DC | ㇞ | CJK STROKE PZ    | • 3rd stroke of 516C 公<br>• 4th stroke of 5F18 弘   |
| 31DD | ㇟ | CJK STROKE TN    | • 8th stroke of 5EFB 廻   |
| 31DE | ㇠ | CJK STROKE SZZ   | • 1st stroke of 5350 卩<br>• 4th stroke of 4E9E 亞   |
| 31DF | ㇡ | CJK STROKE SWG   | • 7th stroke of 4E71 乱<br>• 3rd stroke of 5DF1 己   |
| 31E0 | ㇢ | CJK STROKE HXWG  | • 1st stroke of 4E59 乙   |
| 31E1 | ㇣ | CJK STROKE HZZZG | • 1st stroke of 4E43 乃   |
| 31E2 | ㇤ | CJK STROKE PG    | • 1st stroke of 4E44 ㄨ   |
| 31E3 | ㇥ | CJK STROKE Q     | • 6th stroke of 3514 𠂇   |
| 31E4 | ㇦ | CJK STROKE HZXG  | • 1st stroke of 98DE 飞   |
| 31E5 | ㇧ | CJK STROKE SZP   | • 8th stroke of 594A 隹   |

## Ideographic description character

*This is a visibly displayed graphic character, not an invisible composition control. It is used with other characters from the Ideographic Description Characters block.*

## 31EF 𠄎 IDEOGRAPHIC DESCRIPTION CHARACTER SUBTRACTION

- used to describe a character or a component with a stroke (or other component) removed