

# Optical Character Recognition

Range: 2440–245F

## The Unicode Standard, Version 15.0

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 15.0*

Characters in this chart that are new for The Unicode Standard, Version 15.0 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-15.0/> for charts showing only the characters added in Unicode 15.0. See <https://www.unicode.org/Public/15.0.0/charts/> for a complete archived file of character code charts for Unicode 15.0. 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 15.0 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 15.0, online at <https://www.unicode.org/versions/Unicode15.0.0/>, 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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See <https://www.unicode.org/pending/pending.html> and <https://www.unicode.org/alloc/Pipeline.html>.

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	244	245
0	 2440	
1	 2441	
2	 2442	
3	 2443	
4	 2444	
5	 2445	
6	 2446	
7	 2447	
8	 2448	
9	 2449	
A	 244A	
B		
C		
D		
E		
F		

**OCR-A**

- 2440  OCR HOOK
- 2441  OCR CHAIR
- 2442  OCR FORK
- 2443  OCR INVERTED FORK
- 2444  OCR BELT BUCKLE
- 2445  OCR BOW TIE  
= unique asterisk  
→ 22C8  bowtie

**MICR**

*These magnetic ink character recognition symbols are used on checks. They are derived from the E-13B font and are standardized in ISO 1004:1995. The Unicode character names include several misnomers.*

- 2446  OCR BRANCH BANK IDENTIFICATION  
= transit
- 2447  OCR AMOUNT OF CHECK  
= amount
- 2448  OCR DASH  
× MICR ON US SYMBOL  
= on us
- 2449  OCR CUSTOMER ACCOUNT NUMBER  
× MICR DASH SYMBOL  
= dash

**OCR**

- 244A  OCR DOUBLE BACKSLASH