

# Optical Character Recognition

Range: 2440–245F

## The Unicode Standard, Version 15.1

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 15.1*

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-15.1/> for charts showing only the characters added in Unicode 15.1. See <https://www.unicode.org/Public/15.1.0/charts/> for a complete archived file of character code charts for Unicode 15.1. 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 15.1 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 15.1, online at <https://www.unicode.org/versions/Unicode15.1.0/>, 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 <http://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.

## Terms of Use

You may freely use these code charts for personal or internal business uses only. You may not incorporate them either wholly or in part into any product or publication, or otherwise distribute them without express written permission from the Unicode Consortium. However, you may provide links to these charts.












The fonts and font data used in production of these code charts may NOT be extracted, or used in any other way in any product or publication, without permission or license granted by the typeface owner(s).

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 <http://www.unicode.org/alloc/Pipeline.html>.

See <https://www.unicode.org/charts/About.html> for more information concerning the conventions and symbols used in these code charts.

Copyright © 1991–2023 Unicode, Inc. All rights reserved. See <https://www.unicode.org/copyright.html>





	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