# Font Reference Manual

# Intermec Fingerprint v7.31

**Intermec**
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A **UNOVA** Company

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## Introduction

The purpose of this manual is to provide in-depth information on how you can use scalable single-byte fonts in Intermec Fingerprint v7.31 programming language with emphasis on character set mapping.

It is assumed that you are familiar with the Fingerprint programming language and that you have access to the latest versions of the *Intermec Fingerprint Reference Manual* and *Intermec Fingerprint Programmer's Guide*. These are available both in printed form and as Adobe Acrobat .pdf files via the Intermec home page *(http://www.intermec.com)*.

The reader should be aware that there are large differences in the use of fonts between Fingerprint v7.00 or later on one hand and Fingerprint v6.14 or earlier on the other. Information in this manual is only valid for Fingerprint v7.31 and later versions with reservations for future changes.

## Terminology

The following terminology is used in this manual:

### Glyph
A generic term for the letters, numbers, signs, and graphical objects, that make up a font. The actual appearance of a glyph depends on the selected font.

### Font
A generic term for all glyphs with the same typeface (for example Swiss) and style (for example bold) contained within a set with a common name, for example Swiss 721 Bold BT. Fonts can be modified in regard of size, slant, and width relative height. Fingerprint v7.xx supports fonts in TrueDoc and TrueType (for PC) formats.

### ASCII Value
The ASCII *(American Standard Code for Information Interchange)* value is used in Fingerprint to specify a certain glyph. Fingerprint supports decimal ASCII values only.

### Character Set
A table that specifies the decimal ASCII value in the range 032–126 (7-bit communication) or 032–255 (8-bit communication) in Fingerprint for each glyph. Characters in the range 000–031 are always non-printable control characters. The character set is selected using a NASC statement. However, which glyph that will actually be printed also depends on the selected font.

### Mapping
The technique of providing a glyph with an ASCII value. For example, a character set is a result of mapping. Sometimes it may be sufficient to move or replace one or two glyphs in a standard character set using a MAP statement, whereas in other cases, it may be necessary to create a completely new and customized character set, see Chapter 2, "User-Defined Map Tables."

# Terminology, cont.

**Unicode**

A global system of numbering glyphs managed by Unicode Inc. Still being under development, the final goal is to provide each single glyph in all the languages and alphabets in the world with a unique number, called the Unicode number. The font handling in Intermec Fingerprint is based on Unicode *(http://www.unicode.org)*.

**TrueDoc**

TrueDoc is a scalable font format used by Bitstream Inc. and comes as PFR (Portable Font Resource) files, which may contain one or several TrueDoc fonts. These can exclusively be obtained through Intermec.

**TrueType**

TrueType is a scalable font format developed in cooperation between Apple Computer Inc. and Microsoft Corp. Fingerprint can use TrueType fonts in PC format, provided they support Unicode.

**Font Card**

A memory card containing fonts. Switch off the power to the printer, insert the font card, and switch on the printer. After power-up, the fonts in the card can be used as long as the card remains inserted in the printer. Also see Chapter 1, "Font Handling."

**Font Install Card**

A memory card that automatically installs and stores all its fonts in the printer at startup. Then the fonts can be used without the card being present. The same card can be used to upgrade several printers. Also see Chapter 1, "Font Handling."

**WGL4**

Microsoft has defined a character set which includes characters for most European writing systems, including Greek and Turkish. It contains 652 characters and is called Windows Glyph List 4 (WGL4). WGL4 combines the following character sets, also see Chapter 3, "Character Sets."
- Windows Latin 2     (NASC 1250)
- Windows Cyrillic     (NASC 1251)
- Windows Latin 1     (NASC 1252)
- Windows Greek     (NASC 1253)
- Windows Latin 5     (NASC 1254)
- Windows Baltic Rim     (NASC 1257)

# Font Handling

## Overview

As a quick repetition of font handling in Fingerprint 7.31, let us take a brief look of what affects a character on its way from the keyboard of your computer to a label from your EasyCoder printer. For detailed explanation and syntax of the various Fingerprint instructions, please refer to the *Intermec Fingerprint v7.31, Reference Manual.*

### Keyboard

When you press a key on your computer keyboard, you actually send a signal to the software telling what key you have pressed.

### Computer

The software in the computer interprets this signal according to some kind of table as a certain glyph. By selecting different tables, you could produces different glyphs. Thus, it is not certain that the text engraved on the key actually indicates which glyph is produced.

The computer will do two things:
- Present the glyph on the computer screen in an appearance, size, style etc. according to the font selected in the computer (local echo only).
- Assuming the computer is connected to an EasyCoder printer via a communication program, it will also send the ASCII number of the glyph via the communication cable to the printer. If you have 7-bit communication, you could send ASCII numbers up to ASCII 126 dec. and with 8-bit communication up to ASCII 255 dec.

### Printer

In the printer, the signal may pass through various buffers, which are not of any interest in this context, before it is processed by the printer's firmware.

#### MAP

First, the ASCII value is processed according to any MAP statements. The MAP statements create a table that says that certain ASCII values are to be converted to other values.

#### NASC

Next, the mapped ASCII value is matched against the selected NASC table. The NASC table decides which glyph will be produced by linking the ASCII value to a Unicode number.

*Exception:*
*If any of the fonts OCR-A BT, OCR-B 10 Pitch BT, or Zapf Dingbats BT is selected, the firmware automatically switches from the presently selected character set to a special set for the font in question. As soon as any other font is selected, the printer automatically returns to the previously selected character set.*

# Overview, cont.

### Printer, cont.

#### FONT

Now the firmware matches the Unicode number with the font selected by a FONT statement. If the selected font does not contain that glyph, an error will occur. Else, the glyph is processed according to possible parameters in the FONT statement regarding size, slant, and width relative size.

#### PRPOS, DIR, MAG, ALIGN, PRINTFEED

There are a number of Fingerprint instructions for specifying where and how the glyph, or rather the text field, will be printed on the label. These are described in the Intermec Fingerprint v7.31 manuals.

#### Producing a bitmap pattern

The various Fingerprint instructions tells the firmware how to produce the bitmap pattern for the printhead. The pattern is stored in one of the two image buffers.

#### Printing the text

When the Fingerprint program is executed, the content in the image buffer is used to control the thermal printhead. By heating and cooling various dots across the media web as the media is fed past the printhead, the pattern that makes up the text on the label becomes printed.

### Barfont

What has been described above also applies to barfonts, which are fonts used to produce bar code interpretations.

### Double-Byte Fonts

Many languages and alphabets, for example Chinese, uses so many glyphs that the 234 ASCII values available at 8-bit communication are far from enough. This is solved by combining two bytes of 8 bits each. If the first byte has an ASCII value between 161 dec. and 254 dec., the firmware expects a second byte, which gives almost 24,000 possible values. Double-byte fonts are specified by means of a FONTD statement. Double-byte fonts fall outside the scope of this edition.

### Bitmap Fonts

Starting with Intermec Fingerprint v7.3, it is possible to use fonts in the "old" Intermec bitmap font format (.ATF). This feature improves compatibility with custom-made programs originally created in Fingerprint v6.xx or earlier versions.

Downloading an .ATF font (for example XX030RSN.ATF) to the printer produces three fonts in the memory:
* One without any extension (for example XX030RSN)
* One with the extension .1 (for example XX030RSN.1)
* One with the extension .2 (for example XX030RSN.2).

When using bitmap fonts in Fingerprint v7.3 or later, the relation between print direction and extension is of no consequence.

# Overview, cont.

### Bitmap Fonts, cont.

We recommend you to exclude the font height parameter in the FONT and BARFONT statements and use MAG to enlarge the font. Slant does not work at all with bitmap fonts.

### Font Aliases

The standard font names in Intermec Fingerprint v7.xx are much longer than in earlier versions of Fingerprint and may be cumbersome to use. They are also incompatible with the LAYOUT statement, which restricts the font name to 10 characters.

However, it is possible to create a file containing a list of font aliases. The file should be named exactly as shown here (note the leading period character that specifies it as a system file):

`"c:.FONTALIAS"`

The format of the file should be:

`"<Alias name #1>","<Name of font>"[,size[,<slant>[,<width>]]]`
`"<Alias name #2>","<Name of font>"[,size[,<slant>[,<width>]]]`
`"<Alias name #3>","<Name of font>"[,size[,<slant>[,<width>]]]`
etc., etc.

The file can contain as many fontname aliases as required. The default size is 12 points, the default slant is 0°, and the default width is 100 (%).

A font alias can be used as any other font, but its size, slant, and width cannot be changed.

*Examples:*

`"BODYTEXT","Century Schoolbook BT",10,0,80`
`"HEADLINE","Swiss 721 Bold BT",18,0,110`
`"WARNING","Swiss 721 BT",12`

### TrueType Character Positioning

There are three modes for fine-positioning TrueType characters. These methods can be selected or read by means of a SYSVAR(34) instruction:

| | |
|---|---|
| SYSVAR(34) = 0 | *Standard Mode (default)* |
| SYSVAR(34) = 1 | *Compatible Mode (compatible with Fingerprint v7.xx before v7.2)* |
| SYSVAR(34) = 2 | *Adjusted Mode* |

If the Standard Mode (default) does not give a satisfactory positioning, try the other two and see which gives the best result.

### Listing Fonts

You can list the fonts stored in the printer's memory using the FONTS statement or the FONTNAME$ function.

## Overview, cont.

### Adding Extra Fonts

Fingerprint v7.31-compatible printers contain, as standard, 15 single-byte fonts (ubi-1b.pfr, see Chapter 4, "Font Resource Printout Samples.") These fonts can be temporarily or permanently supplemented by additional single- or double-byte fonts by means of fonts cards or font install cards. Fonts can also be downloaded to the printer via a communication channel.

#### Font Card

A memory card (JEIDA-4 type) containing fonts. The card must be inserted in the printer's memory card slot before startup. The fonts stored on the memory card are installed in the printer during startup, but are not saved in the printer's internal memory. Thus, the card always must be present or you cannot use those fonts. Typically, font cards are used for double-byte fonts that often are too large to be accommodated in the printer's memory.

#### Font Install Card

Similar to Font Cards, but it automatically install and stores all its fonts in the printer at startup. Thus, the fonts in a Font Install Card can be used without the card being present. The same card can be used to upgrade several printers.

#### Downloading Fonts

Font files can be downloaded to the printer via a serial communication channel using the statements FILE& LOAD or IMAGE LOAD, TRANSFER KERMIT, or TRANSFER ZMODEM. In case of FILE& LOAD, you will need to reboot the printer before the font can be used, whereas in the other cases, the font will be installed immediately.

Fonts can also be downloaded from a PC over a serial channel using PrintSet v2.1 or Printer SDK.

If the printer is fitted with an EasyLAN 100i interface board, you can also download fonts via Ethernet using FTP.

# User-defined Map Tables

## NSC1 File Format

The NSC1 format is intended to be used for languages that do not require more than 256 characters. The format is very simple; it consists of a small (4 bytes) header followed by the Unicode character hexcodes for character #0 to character #255.

Each Unicode character hexcode is divided between two bytes; the most significant byte (MSB) and the least significant byte (LSB). For example, in the Unicode number 0x2014 (Em dash) 0x20 is MSB and 0x14 is LSB.

A file created in this format can be used in the Fingerprint statement NASC <filename>. When naming the file, give it the extension .NSC. You can modify an existing file or create a new one from scratch.

*\*.nsc files can be found at the Intermec printer support web:*
***http://printer2.intermec.com.***

| NSC1 File Format | | |
|---|---|---|
| Byte # 0 | 0x4E | (= 'N') |
| Byte # 1 | 0x53 | (= 'S') |
| Byte # 2 | 0x43 | (= 'C') |
| Byte # 3 | 0x31 | (= '1') |
| Byte # 4 | MSB for character #0 | |
| Byte # 5 | LSB for character #0 | |
| Byte # 6 | MSB for character #1 | |
| Byte # 7 | LSB for character #1 | |
| Byte # 8 | MSB for character #2 | |
| Byte # 9 | LSB for character #2 | |
| Byte # 10 | MSB for character #3 | |
| Byte # 11 | LSB for character #3 | |
| ....... | | |
| Byte # 510 | MSB for character #253 | |
| Byte # 511 | LSB for character #253 | |
| Byte # 512 | MSB for character #254 | |
| Byte # 513 | LSB for character #254 | |
| Byte # 514 | MSB for character #255 | |
| Byte # 515 | LSB for character #255 | |

Step-by-step instructions for replacing a glyph in an existing character set with a new glyph that is not included in that set:

1. Find the Unicode hex value for the desired glyph.

2. In the character set, find the position where you want to place the new glyph.

3. Open the character set file, for example **cp1252.nsc** with a hexeditor (see example 2 on next page).

4. Place the Unicode hex value at the desired position in the table.

5. Store the new character set file under a new name, for example **qcp1252.nsc**.

6. Now you have created a character set that can be downloaded to the printer and be used with the NASC statement, for example **NASC"qcp1252.nsc"**.

# NSC1 File Format, cont.

*Example 1:*
*The following example shows how the character map table Windows Latin 1 (NASC 1252) looks in the NSC1 file format. Please observe that the byte values have been specified in hexadecimal notation in the table for clarity. Only parts of the actual mapping is shown.*

| Windows Latin 1 Character Set in NSC1 File Format (file name cp1252.nsc) | | | | |
|---|---|---|---|---|
| Byte # | Hex value | Byte | Unicode # | Glyph |
| 0 | 0x4E | | | N |
| 1 | 0x53 | | | S |
| 2 | 0x43 | | | C |
| 3 | 0x31 | | | 1 |
| 4 | 0x**00** | MSB | U+**00**00 | Null |
| 5 | 0x00 | LSB | U+00**00** | Null |
| 6 | 0x**00** | MSB | U+**00**00 | Start of heading |
| 7 | 0x**01** | LSB | U+00**01** | Start of heading |
| ....... | | | | |
| 304 | 0x**20** | MSB | U+**20**13 | En dash |
| 305 | 0x**13** | LSB | U+20**13** | En dash |
| 306 | 0x**20** | MSB | U+**20**14 | Em dash |
| 307 | 0x**14** | LSB | U+20**14** | Em dash |
| ....... | | | | |
| 512 | 0x**00** | MSB | U+**00**FE | Latin small letter thorn |
| 513 | 0x**FE** | LSB | U+00**FE** | Latin small letter thorn |
| 514 | 0x**00** | MSB | U+**00**FF | Latin small letter y with diaeresis |
| 515 | 0x**FF** | LSB | U+00**FF** | Latin small letter y with diaeresis |

*Example 2:*
*The table below shows how the Windows Latin 1 Character Set may look in a hex editor (file name cp1252.nsc).*

| Addressc | Unicode hex values | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 00000000 | 4E53 | 4331 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 |
| 00000016 | 0006 | 0007 | 0008 | 0009 | 000A | 000B | 000C | 000D |
| 00000032 | 000E | 000F | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 |
| 00000048 | 0016 | 0017 | 0018 | 0019 | 001A | 001B | 001C | 001D |
| 00000064 | 001E | 001F | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 |
| 00000080 | 0026 | 0027 | 0028 | 0029 | 002A | 002B | 002C | 002D |
| 00000112 | 0036 | 0037 | 0038 | 0039 | 003A | 003B | 003C | 003D |
| 00000128 | 003E | 003F | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 |
| 00000144 | 0046 | 0047 | 0048 | 0049 | 004A | 004B | 004C | 004D |
| 00000160 | 004E | 004F | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 |
| 00000176 | 0056 | 0057 | 0058 | 0059 | 005A | 005B | 005C | 005D |
| 00000192 | 005E | 005F | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 |
| 00000208 | 0066 | 0067 | 0068 | 0069 | 006A | 006B | 006C | 006D |
| 00000224 | 006E | 006F | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 |
| 00000240 | 0076 | 0077 | 0078 | 0079 | 007A | 007B | 007C | 007D |
| 00000256 | 007E | 007F | 20AC | 0000 | 201A | 0192 | 201E | 2026 |
| 00000272 | 2020 | 2021 | 02C6 | 2030 | 0160 | 2039 | 0152 | 0000 |
| 00000288 | 017D | 0000 | 0000 | 2018 | 2019 | 201C | 201D | 2022 |
| 00000304 | 2013 | 2014 | 02DC | 2122 | 0161 | 203A | 0153 | 0000 |
| 00000320 | 017E | 0178 | 00A0 | 00A1 | 00A2 | 00A3 | 00A4 | 00A5 |
| 00000336 | 00A6 | 00A7 | 00A8 | 00A9 | 00AA | 00AB | 00AC | 00AD |
| 00000352 | 00AE | 00AF | 00B0 | 00B1 | 00B2 | 00B3 | 00B4 | 00B5 |
| 00000368 | 00B6 | 00B7 | 00B8 | 00B9 | 00BA | 00BB | 00BC | 00BD |
| 00000384 | 00BE | 00BF | 00C0 | 00C1 | 00C2 | 00C3 | 00C4 | 00C5 |
| 00000400 | 00C6 | 00C7 | 00C8 | 00C9 | 00CA | 00CB | 00CC | 00CD |
| 00000416 | 00CE | 00CF | 00D0 | 00D1 | 00D2 | 00D3 | 00D4 | 00D5 |
| 00000432 | 00D6 | 00D7 | 00D8 | 00D9 | 00DA | 00DB | 00DC | 00DD |
| 00000448 | 00DE | 00DF | 00E0 | 00E1 | 00E2 | 00E3 | 00E4 | 00E5 |
| 00000464 | 00E6 | 00E7 | 00E8 | 00E9 | 00EA | 00EB | 00EC | 00ED |
| 00000480 | 00EE | 00EF | 00F0 | 00F1 | 00F2 | 00F3 | 00F4 | 00F5 |
| 00000496 | 00F6 | 00F7 | 00F8 | 00F9 | 00FA | 00FB | 00FC | 00FD |
| 00000512 | 00FE | 00FF | | | | | | |

# Character Sets

## Description

Character sets specify by which decimal ASCII value a certain character (glyph) is called by the Fingerprint program. There is a large number of standard character sets included in the Fingerprint firmware. Character sets can be remapped using MAP statements, but it is also possible to create custom-made character sets.

Character sets are selected using NASC statements. The tables in this chapter include the following information:

- Name of the character set.

- NASC value.

- Glyph.
  *Illustated here using the Swiss 721 WGL4BT font. The appearance and assortment of glyphs will vary according to the selected font.*

- ASCII decimal value.
  *Used for calling a glyph in Fingerprint.*

- ASCII hex value.
  *Information only.*

- Unicode hex value.
  *Used for finding a glyph in the printout samples in Chapter 4.*

# Roman 8 Character Set                                    NASC 1

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# Roman 8 Character Set, cont.

# NASC 1

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
| ☐ | 129 | 0x81 | 0x0000 | Undefined |
| ☐ | 130 | 0x82 | 0x0000 | Undefined |
| ☐ | 131 | 0x83 | 0x0000 | Undefined |
| ☐ | 132 | 0x84 | 0x0000 | Undefined |
| ☐ | 133 | 0x85 | 0x0000 | Undefined |
| ☐ | 134 | 0x86 | 0x0000 | Undefined |
| ☐ | 135 | 0x87 | 0x0000 | Undefined |
| ☐ | 136 | 0x88 | 0x0000 | Undefined |
| ☐ | 137 | 0x89 | 0x0000 | Undefined |
| ☐ | 138 | 0x8A | 0x0000 | Undefined |
| ☐ | 139 | 0x8B | 0x0000 | Undefined |
| ☐ | 140 | 0x8C | 0x0000 | Undefined |
| ☐ | 141 | 0x8D | 0x0000 | Undefined |
| ☐ | 142 | 0x8E | 0x0000 | Undefined |
| ☐ | 143 | 0x8F | 0x0000 | Undefined |
| ☐ | 144 | 0x90 | 0x0000 | Undefined |
| ☐ | 145 | 0x91 | 0x0000 | Undefined |
| ☐ | 146 | 0x92 | 0x0000 | Undefined |
| ☐ | 147 | 0x93 | 0x0000 | Undefined |
| ☐ | 148 | 0x94 | 0x0000 | Undefined |
| ☐ | 149 | 0x95 | 0x0000 | Undefined |
| ☐ | 150 | 0x96 | 0x0000 | Undefined |
| ☐ | 151 | 0x97 | 0x0000 | Undefined |
| ☐ | 152 | 0x98 | 0x0000 | Undefined |
| ☐ | 153 | 0x99 | 0x0000 | Undefined |
| ☐ | 154 | 0x9A | 0x0000 | Undefined |
| ☐ | 155 | 0x9B | 0x0000 | Undefined |
| ☐ | 156 | 0x9C | 0x0000 | Undefined |
| ☐ | 157 | 0x9D | 0x0000 | Undefined |
| ☐ | 158 | 0x9E | 0x0000 | Undefined |
| ☐ | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ☐ | 255 | 0xFF | 0x0000 | Undefined |

# French Character Set                                    NASC 33

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|   | 000 | 0x00 | 0x0000 | Null |
|   | 001 | 0x01 | 0x0001 | Start of heading |
|   | 002 | 0x02 | 0x0002 | Start of text |
|   | 003 | 0x03 | 0x0003 | End of text |
|   | 004 | 0x04 | 0x0004 | End of transmission |
|   | 005 | 0x05 | 0x0005 | Enquiry |
|   | 006 | 0x06 | 0x0006 | Acknowledge |
|   | 007 | 0x07 | 0x0007 | Bell |
|   | 008 | 0x08 | 0x0008 | Backspace |
|   | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|   | 010 | 0x0A | 0x000A | Line feed |
|   | 011 | 0x0B | 0x000B | Vertical tabulation |
|   | 012 | 0x0C | 0x000C | Form feed |
|   | 013 | 0x0D | 0x000D | Carriage return |
|   | 014 | 0x0E | 0x000E | Shift out |
|   | 015 | 0x0F | 0x000F | Shift in |
|   | 016 | 0x10 | 0x0010 | Data link escape |
|   | 017 | 0x11 | 0x0011 | Device control one |
|   | 018 | 0x12 | 0x0012 | Device control two |
|   | 019 | 0x13 | 0x0013 | Device control three |
|   | 020 | 0x14 | 0x0014 | Device control four |
|   | 021 | 0x15 | 0x0015 | Negative acknowledge |
|   | 022 | 0x16 | 0x0016 | Synchronous idle |
|   | 023 | 0x17 | 0x0017 | End of transmission block |
|   | 024 | 0x18 | 0x0018 | Cancel |
|   | 025 | 0x19 | 0x0019 | End of medium |
|   | 026 | 0x1A | 0x001A | Substitute |
|   | 027 | 0x1B | 0x001B | Escape |
|   | 028 | 0x1C | 0x001C | File separator |
|   | 029 | 0x1D | 0x001D | Group separator |
|   | 030 | 0x1E | 0x001E | Record separator |
|   | 031 | 0x1F | 0x001F | Unit separator |
|   | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| £ | 035 | 0x23 | 0x00A3 | Pound sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| à | 064 | 0x40 | 0x00E0 | Latin small letter a with grave |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| ° | 091 | 0x5B | 0x00B0 | Degree sign |
| ç | 092 | 0x5C | 0x00E7 | Latin small letter c with cedilla |
| § | 093 | 0x5D | 0x00A7 | Section sign |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| µ | 096 | 0x60 | 0x00B5 | Micro sign |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| é | 123 | 0x7B | 0x00E9 | Latin small letter e with acute |
| ù | 124 | 0x7C | 0x00F9 | Latin small letter u with grave |
| è | 125 | 0x7D | 0x00E8 | Latin small letter e with grave |
| ¨ | 126 | 0x7E | 0x00A8 | Diaeresis |
|   | 127 | 0x7F | 0x007F | Delete |

# French Character Set, cont. NASC 33

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign | â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ☐ | 129 | 0x81 | 0x0000 | Undefined | ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ☐ | 130 | 0x82 | 0x0000 | Undefined | ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| ☐ | 131 | 0x83 | 0x0000 | Undefined | û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| ☐ | 132 | 0x84 | 0x0000 | Undefined | á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| ☐ | 133 | 0x85 | 0x0000 | Undefined | é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ☐ | 134 | 0x86 | 0x0000 | Undefined | ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ☐ | 135 | 0x87 | 0x0000 | Undefined | ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| ☐ | 136 | 0x88 | 0x0000 | Undefined | à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| ☐ | 137 | 0x89 | 0x0000 | Undefined | è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ☐ | 138 | 0x8A | 0x0000 | Undefined | ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ☐ | 139 | 0x8B | 0x0000 | Undefined | ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ☐ | 140 | 0x8C | 0x0000 | Undefined | ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ☐ | 141 | 0x8D | 0x0000 | Undefined | ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ☐ | 142 | 0x8E | 0x0000 | Undefined | ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ☐ | 143 | 0x8F | 0x0000 | Undefined | ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| ☐ | 144 | 0x90 | 0x0000 | Undefined | Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| ☐ | 145 | 0x91 | 0x0000 | Undefined | î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| ☐ | 146 | 0x92 | 0x0000 | Undefined | Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| ☐ | 147 | 0x93 | 0x0000 | Undefined | Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| ☐ | 148 | 0x94 | 0x0000 | Undefined | å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| ☐ | 149 | 0x95 | 0x0000 | Undefined | í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ☐ | 150 | 0x96 | 0x0000 | Undefined | ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| ☐ | 151 | 0x97 | 0x0000 | Undefined | æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| ☐ | 152 | 0x98 | 0x0000 | Undefined | Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ☐ | 153 | 0x99 | 0x0000 | Undefined | ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| ☐ | 154 | 0x9A | 0x0000 | Undefined | Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| ☐ | 155 | 0x9B | 0x0000 | Undefined | Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| ☐ | 156 | 0x9C | 0x0000 | Undefined | É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ☐ | 157 | 0x9D | 0x0000 | Undefined | ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ☐ | 158 | 0x9E | 0x0000 | Undefined | ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| ☐ | 159 | 0x9F | 0x0000 | Undefined | Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
|  | 160 | 0xA0 | 0x00A0 | No-break space | Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave | Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex | ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave | Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex | ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis | Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex | Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis | Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent | Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| ` | 169 | 0xA9 | 0x0060 | Grave accent | Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent | õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis | Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| ~ | 172 | 0xAC | 0x007E | Tilde | š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave | Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex | Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| £ | 175 | 0xAF | 0x20A4 | Lira sign | ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| ¯ | 176 | 0xB0 | 0x00AF | Macron | Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute | þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute | · | 242 | 0xF2 | 0x00B7 | Middle dot |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign | µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla | ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla | ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde | — | 246 | 0xF6 | 0x2014 | Em dash |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde | ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark | ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark | ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign | º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| £ | 187 | 0xBB | 0x00A3 | Pound sign | « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign | ■ | 252 | 0xFC | 0x25A0 | Black square |
| § | 189 | 0xBD | 0x00A7 | Section sign | » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook | ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign | ☐ | 255 | 0xFF | 0x0000 | Undefined |

# Spanish Character Set                                        NASC 34

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| £ | 035 | 0x23 | 0x00A3 | Pound sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| § | 064 | 0x40 | 0x00A7 | Section sign |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| ¡ | 091 | 0x5B | 0x00A1 | Inverted exclamation mark |
| Ñ | 092 | 0x5C | 0x00D1 | Latin capital letter N with tilde |
| ¿ | 093 | 0x5D | 0x00BF | Inverted question mark |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| ° | 123 | 0x7B | 0x00B0 | Degree sign |
| ñ | 124 | 0x7C | 0x00F1 | Latin small letter n with tilde |
| ç | 125 | 0x7D | 0x00E7 | Latin small letter c with cedilla |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# Spanish Character Set, cont. NASC 34

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
|  | 130 | 0x82 | 0x0000 | Undefined |
|  | 131 | 0x83 | 0x0000 | Undefined |
|  | 132 | 0x84 | 0x0000 | Undefined |
|  | 133 | 0x85 | 0x0000 | Undefined |
|  | 134 | 0x86 | 0x0000 | Undefined |
|  | 135 | 0x87 | 0x0000 | Undefined |
|  | 136 | 0x88 | 0x0000 | Undefined |
|  | 137 | 0x89 | 0x0000 | Undefined |
|  | 138 | 0x8A | 0x0000 | Undefined |
|  | 139 | 0x8B | 0x0000 | Undefined |
|  | 140 | 0x8C | 0x0000 | Undefined |
|  | 141 | 0x8D | 0x0000 | Undefined |
|  | 142 | 0x8E | 0x0000 | Undefined |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
|  | 145 | 0x91 | 0x0000 | Undefined |
|  | 146 | 0x92 | 0x0000 | Undefined |
|  | 147 | 0x93 | 0x0000 | Undefined |
|  | 148 | 0x94 | 0x0000 | Undefined |
|  | 149 | 0x95 | 0x0000 | Undefined |
|  | 150 | 0x96 | 0x0000 | Undefined |
|  | 151 | 0x97 | 0x0000 | Undefined |
|  | 152 | 0x98 | 0x0000 | Undefined |
|  | 153 | 0x99 | 0x0000 | Undefined |
|  | 154 | 0x9A | 0x0000 | Undefined |
|  | 155 | 0x9B | 0x0000 | Undefined |
|  | 156 | 0x9C | 0x0000 | Undefined |
|  | 157 | 0x9D | 0x0000 | Undefined |
|  | 158 | 0x9E | 0x0000 | Undefined |
|  | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
|  | 255 | 0xFF | 0x0000 | Undefined |

# Italian Character Set NASC 39

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| £ | 035 | 0x23 | 0x00A3 | Pound sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| § | 064 | 0x40 | 0x00A7 | Section sign |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| ° | 091 | 0x5B | 0x00B0 | Degree sign |
| ç | 092 | 0x5C | 0x00E7 | Latin small letter c with cedilla |
| é | 093 | 0x5D | 0x00E9 | Latin small letter e with acute |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ù | 096 | 0x60 | 0x00F9 | Latin small letter u with grave |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| à | 123 | 0x7B | 0x00E0 | Latin small letter a with grave |
| ò | 124 | 0x7C | 0x00F2 | Latin small letter o with grave |
| è | 125 | 0x7D | 0x00E8 | Latin small letter e with grave |
| ì | 126 | 0x7E | 0x00EC | Latin small letter i with grave |
| | 127 | 0x7F | 0x007F | Delete |

# Italian Character Set, cont.                    NASC 39

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
| ☐ | 129 | 0x81 | 0x0000 | Undefined |
| ☐ | 130 | 0x82 | 0x0000 | Undefined |
| ☐ | 131 | 0x83 | 0x0000 | Undefined |
| ☐ | 132 | 0x84 | 0x0000 | Undefined |
| ☐ | 133 | 0x85 | 0x0000 | Undefined |
| ☐ | 134 | 0x86 | 0x0000 | Undefined |
| ☐ | 135 | 0x87 | 0x0000 | Undefined |
| ☐ | 136 | 0x88 | 0x0000 | Undefined |
| ☐ | 137 | 0x89 | 0x0000 | Undefined |
| ☐ | 138 | 0x8A | 0x0000 | Undefined |
| ☐ | 139 | 0x8B | 0x0000 | Undefined |
| ☐ | 140 | 0x8C | 0x0000 | Undefined |
| ☐ | 141 | 0x8D | 0x0000 | Undefined |
| ☐ | 142 | 0x8E | 0x0000 | Undefined |
| ☐ | 143 | 0x8F | 0x0000 | Undefined |
| ☐ | 144 | 0x90 | 0x0000 | Undefined |
| ☐ | 145 | 0x91 | 0x0000 | Undefined |
| ☐ | 146 | 0x92 | 0x0000 | Undefined |
| ☐ | 147 | 0x93 | 0x0000 | Undefined |
| ☐ | 148 | 0x94 | 0x0000 | Undefined |
| ☐ | 149 | 0x95 | 0x0000 | Undefined |
| ☐ | 150 | 0x96 | 0x0000 | Undefined |
| ☐ | 151 | 0x97 | 0x0000 | Undefined |
| ☐ | 152 | 0x98 | 0x0000 | Undefined |
| ☐ | 153 | 0x99 | 0x0000 | Undefined |
| ☐ | 154 | 0x9A | 0x0000 | Undefined |
| ☐ | 155 | 0x9B | 0x0000 | Undefined |
| ☐ | 156 | 0x9C | 0x0000 | Undefined |
| ☐ | 157 | 0x9D | 0x0000 | Undefined |
| ☐ | 158 | 0x9E | 0x0000 | Undefined |
| ☐ | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ☐ | 255 | 0xFF | 0x0000 | Undefined |

# English (UK) Character Set                           NASC 44

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| £ | 035 | 0x23 | 0x00A3 | Pound sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x00E9 | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x00F9 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ¯ | 126 | 0x7E | 0x00AF | Macron |
|  | 127 | 0x7F | 0x007F | Delete |

# English (UK) Character Set, cont.                    NASC 44

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
|  | 130 | 0x82 | 0x0000 | Undefined |
|  | 131 | 0x83 | 0x0000 | Undefined |
|  | 132 | 0x84 | 0x0000 | Undefined |
|  | 133 | 0x85 | 0x0000 | Undefined |
|  | 134 | 0x86 | 0x0000 | Undefined |
|  | 135 | 0x87 | 0x0000 | Undefined |
|  | 136 | 0x88 | 0x0000 | Undefined |
|  | 137 | 0x89 | 0x0000 | Undefined |
|  | 138 | 0x8A | 0x0000 | Undefined |
|  | 139 | 0x8B | 0x0000 | Undefined |
|  | 140 | 0x8C | 0x0000 | Undefined |
|  | 141 | 0x8D | 0x0000 | Undefined |
|  | 142 | 0x8E | 0x0000 | Undefined |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
|  | 145 | 0x91 | 0x0000 | Undefined |
|  | 146 | 0x92 | 0x0000 | Undefined |
|  | 147 | 0x93 | 0x0000 | Undefined |
|  | 148 | 0x94 | 0x0000 | Undefined |
|  | 149 | 0x95 | 0x0000 | Undefined |
|  | 150 | 0x96 | 0x0000 | Undefined |
|  | 151 | 0x97 | 0x0000 | Undefined |
|  | 152 | 0x98 | 0x0000 | Undefined |
|  | 153 | 0x99 | 0x0000 | Undefined |
|  | 154 | 0x9A | 0x0000 | Undefined |
|  | 155 | 0x9B | 0x0000 | Undefined |
|  | 156 | 0x9C | 0x0000 | Undefined |
|  | 157 | 0x9D | 0x0000 | Undefined |
|  | 158 | 0x9E | 0x0000 | Undefined |
|  | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
|  | 255 | 0xFF | 0x0000 | Undefined |

# Swedish Character Set                              NASC 46

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| ¤ | 036 | 0x24 | 0x00A4 | Currency sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| É | 064 | 0x40 | 0x00C9 | Latin capital letter E with acute |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| Ä | 091 | 0x5B | 0x00C4 | Latin capital letter A with diaeresis |
| Ö | 092 | 0x5C | 0x00D6 | Latin capital letter O with diaeresis |
| Å | 093 | 0x5D | 0x00C5 | Latin capital letter A with ring above |
| Ü | 094 | 0x5E | 0x00DC | Latin capital letter U with diaeresis |
| _ | 095 | 0x5F | 0x005F | Low line |
| é | 096 | 0x60 | 0x00E9 | Latin small letter e with acute |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| ä | 123 | 0x7B | 0x00E4 | Latin small letter a with diaeresis |
| ö | 124 | 0x7C | 0x00F6 | Latin small letter o with diaeresis |
| å | 125 | 0x7D | 0x00E5 | Latin small letter a with ring above |
| ü | 126 | 0x7E | 0x00FC | Latin small letter u with diaeresis |
|  | 127 | 0x7F | 0x007F | Delete |

# Swedish Character Set, cont.                    NASC 46

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign | â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
|  | 129 | 0x81 | 0x0000 | Undefined | ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
|  | 130 | 0x82 | 0x0000 | Undefined | ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
|  | 131 | 0x83 | 0x0000 | Undefined | û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
|  | 132 | 0x84 | 0x0000 | Undefined | á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
|  | 133 | 0x85 | 0x0000 | Undefined | é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
|  | 134 | 0x86 | 0x0000 | Undefined | ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
|  | 135 | 0x87 | 0x0000 | Undefined | ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
|  | 136 | 0x88 | 0x0000 | Undefined | à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
|  | 137 | 0x89 | 0x0000 | Undefined | è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
|  | 138 | 0x8A | 0x0000 | Undefined | ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
|  | 139 | 0x8B | 0x0000 | Undefined | ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
|  | 140 | 0x8C | 0x0000 | Undefined | ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
|  | 141 | 0x8D | 0x0000 | Undefined | ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
|  | 142 | 0x8E | 0x0000 | Undefined | ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
|  | 143 | 0x8F | 0x0000 | Undefined | ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
|  | 144 | 0x90 | 0x0000 | Undefined | Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
|  | 145 | 0x91 | 0x0000 | Undefined | î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
|  | 146 | 0x92 | 0x0000 | Undefined | Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
|  | 147 | 0x93 | 0x0000 | Undefined | Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
|  | 148 | 0x94 | 0x0000 | Undefined | å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
|  | 149 | 0x95 | 0x0000 | Undefined | í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
|  | 150 | 0x96 | 0x0000 | Undefined | ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
|  | 151 | 0x97 | 0x0000 | Undefined | æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
|  | 152 | 0x98 | 0x0000 | Undefined | Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
|  | 153 | 0x99 | 0x0000 | Undefined | ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
|  | 154 | 0x9A | 0x0000 | Undefined | Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
|  | 155 | 0x9B | 0x0000 | Undefined | Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
|  | 156 | 0x9C | 0x0000 | Undefined | É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
|  | 157 | 0x9D | 0x0000 | Undefined | ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
|  | 158 | 0x9E | 0x0000 | Undefined | ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
|  | 159 | 0x9F | 0x0000 | Undefined | Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
|  | 160 | 0xA0 | 0x00A0 | No-break space | Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave | Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex | ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave | Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex | ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis | Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex | Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis | Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent | Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| ` | 169 | 0xA9 | 0x0060 | Grave accent | Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent | õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis | Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| ~ | 172 | 0xAC | 0x007E | Tilde | š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave | Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex | Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| £ | 175 | 0xAF | 0x20A4 | Lira sign | ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| ¯ | 176 | 0xB0 | 0x00AF | Macron | Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute | þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute | · | 242 | 0xF2 | 0x00B7 | Middle dot |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign | µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla | ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla | ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde | — | 246 | 0xF6 | 0x2014 | Em dash |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde | ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark | ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark | ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign | º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| £ | 187 | 0xBB | 0x00A3 | Pound sign | « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign | ■ | 252 | 0xFC | 0x25A0 | Black square |
| § | 189 | 0xBD | 0x00A7 | Section sign | » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook | ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |  | 255 | 0xFF | 0x0000 | Undefined |

# Norwegian Character Set

NASC 47

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| Æ | 091 | 0x5B | 0x00C6 | Latin capital letter Æ |
| Ø | 092 | 0x5C | 0x00D8 | Latin capital letter O with stroke |
| Å | 093 | 0x5D | 0x00C5 | Latin capital letter A with ring above |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| æ | 123 | 0x7B | 0x00E6 | Latin small letter æ |
| ø | 124 | 0x7C | 0x00F8 | Latin small letter o with stroke |
| å | 125 | 0x7D | 0x00E5 | Latin small letter a with ring above |
| ¯ | 126 | 0x7E | 0x00AF | Macron |
| | 127 | 0x7F | 0x007F | Delete |

## Norwegian Character Set, cont. NASC 47

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign | â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
|  | 129 | 0x81 | 0x0000 | Undefined | ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
|  | 130 | 0x82 | 0x0000 | Undefined | ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
|  | 131 | 0x83 | 0x0000 | Undefined | û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
|  | 132 | 0x84 | 0x0000 | Undefined | á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
|  | 133 | 0x85 | 0x0000 | Undefined | é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
|  | 134 | 0x86 | 0x0000 | Undefined | ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
|  | 135 | 0x87 | 0x0000 | Undefined | ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
|  | 136 | 0x88 | 0x0000 | Undefined | à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
|  | 137 | 0x89 | 0x0000 | Undefined | è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
|  | 138 | 0x8A | 0x0000 | Undefined | ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
|  | 139 | 0x8B | 0x0000 | Undefined | ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
|  | 140 | 0x8C | 0x0000 | Undefined | ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
|  | 141 | 0x8D | 0x0000 | Undefined | ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
|  | 142 | 0x8E | 0x0000 | Undefined | ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
|  | 143 | 0x8F | 0x0000 | Undefined | ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
|  | 144 | 0x90 | 0x0000 | Undefined | Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
|  | 145 | 0x91 | 0x0000 | Undefined | î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
|  | 146 | 0x92 | 0x0000 | Undefined | Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
|  | 147 | 0x93 | 0x0000 | Undefined | Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
|  | 148 | 0x94 | 0x0000 | Undefined | å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
|  | 149 | 0x95 | 0x0000 | Undefined | í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
|  | 150 | 0x96 | 0x0000 | Undefined | ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
|  | 151 | 0x97 | 0x0000 | Undefined | æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
|  | 152 | 0x98 | 0x0000 | Undefined | Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
|  | 153 | 0x99 | 0x0000 | Undefined | ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
|  | 154 | 0x9A | 0x0000 | Undefined | Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
|  | 155 | 0x9B | 0x0000 | Undefined | Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
|  | 156 | 0x9C | 0x0000 | Undefined | É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
|  | 157 | 0x9D | 0x0000 | Undefined | ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
|  | 158 | 0x9E | 0x0000 | Undefined | ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
|  | 159 | 0x9F | 0x0000 | Undefined | Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
|  | 160 | 0xA0 | 0x00A0 | No-break space | Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave | Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex | ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave | Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex | ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis | Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex | Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis | Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent | Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| ` | 169 | 0xA9 | 0x0060 | Grave accent | Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent | õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis | Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| ~ | 172 | 0xAC | 0x007E | Tilde | š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave | Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex | Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| £ | 175 | 0xAF | 0x20A4 | Lira sign | ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| ¯ | 176 | 0xB0 | 0x00AF | Macron | Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute | þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute | · | 242 | 0xF2 | 0x00B7 | Middle dot |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign | µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla | ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla | ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde | — | 246 | 0xF6 | 0x2014 | Em dash |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde | ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark | ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark | ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign | º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| £ | 187 | 0xBB | 0x00A3 | Pound sign | « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign | ■ | 252 | 0xFC | 0x25A0 | Black square |
| § | 189 | 0xBD | 0x00A7 | Section sign | » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook | ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |  | 255 | 0xFF | 0x0000 | Undefined |

# German Character Set

# NASC 49

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| § | 064 | 0x40 | 0x00A7 | Section sign |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| Ä | 091 | 0x5B | 0x00C4 | Latin capital letter A with diaeresis |
| Ö | 092 | 0x5C | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 093 | 0x5D | 0x00DC | Latin capital letter U with diaeresis |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| ä | 123 | 0x7B | 0x00E4 | Latin small letter a with diaeresis |
| ö | 124 | 0x7C | 0x00F6 | Latin small letter o with diaeresis |
| ü | 125 | 0x7D | 0x00FC | Latin small letter u with diaeresis |
| ß | 126 | 0x7E | 0x00DF | Latin small letter sharp s |
| | 127 | 0x7F | 0x007F | Delete |

# German Character Set, cont.

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
|  | 130 | 0x82 | 0x0000 | Undefined |
|  | 131 | 0x83 | 0x0000 | Undefined |
|  | 132 | 0x84 | 0x0000 | Undefined |
|  | 133 | 0x85 | 0x0000 | Undefined |
|  | 134 | 0x86 | 0x0000 | Undefined |
|  | 135 | 0x87 | 0x0000 | Undefined |
|  | 136 | 0x88 | 0x0000 | Undefined |
|  | 137 | 0x89 | 0x0000 | Undefined |
|  | 138 | 0x8A | 0x0000 | Undefined |
|  | 139 | 0x8B | 0x0000 | Undefined |
|  | 140 | 0x8C | 0x0000 | Undefined |
|  | 141 | 0x8D | 0x0000 | Undefined |
|  | 142 | 0x8E | 0x0000 | Undefined |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
|  | 145 | 0x91 | 0x0000 | Undefined |
|  | 146 | 0x92 | 0x0000 | Undefined |
|  | 147 | 0x93 | 0x0000 | Undefined |
|  | 148 | 0x94 | 0x0000 | Undefined |
|  | 149 | 0x95 | 0x0000 | Undefined |
|  | 150 | 0x96 | 0x0000 | Undefined |
|  | 151 | 0x97 | 0x0000 | Undefined |
|  | 152 | 0x98 | 0x0000 | Undefined |
|  | 153 | 0x99 | 0x0000 | Undefined |
|  | 154 | 0x9A | 0x0000 | Undefined |
|  | 155 | 0x9B | 0x0000 | Undefined |
|  | 156 | 0x9C | 0x0000 | Undefined |
|  | 157 | 0x9D | 0x0000 | Undefined |
|  | 158 | 0x9E | 0x0000 | Undefined |
|  | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
|  | 255 | 0xFF | 0x0000 | Undefined |

# Japanese Latin Character Set

# NASC 81

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| ¥ | 092 | 0x5C | 0x00A5 | Yen sign |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# Japanese Character Set, cont.                    NASC 81

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
| □ | 129 | 0x81 | 0x0000 | Undefined |
| □ | 130 | 0x82 | 0x0000 | Undefined |
| □ | 131 | 0x83 | 0x0000 | Undefined |
| □ | 132 | 0x84 | 0x0000 | Undefined |
| □ | 133 | 0x85 | 0x0000 | Undefined |
| □ | 134 | 0x86 | 0x0000 | Undefined |
| □ | 135 | 0x87 | 0x0000 | Undefined |
| □ | 136 | 0x88 | 0x0000 | Undefined |
| □ | 137 | 0x89 | 0x0000 | Undefined |
| □ | 138 | 0x8A | 0x0000 | Undefined |
| □ | 139 | 0x8B | 0x0000 | Undefined |
| □ | 140 | 0x8C | 0x0000 | Undefined |
| □ | 141 | 0x8D | 0x0000 | Undefined |
| □ | 142 | 0x8E | 0x0000 | Undefined |
| □ | 143 | 0x8F | 0x0000 | Undefined |
| □ | 144 | 0x90 | 0x0000 | Undefined |
| □ | 145 | 0x91 | 0x0000 | Undefined |
| □ | 146 | 0x92 | 0x0000 | Undefined |
| □ | 147 | 0x93 | 0x0000 | Undefined |
| □ | 148 | 0x94 | 0x0000 | Undefined |
| □ | 149 | 0x95 | 0x0000 | Undefined |
| □ | 150 | 0x96 | 0x0000 | Undefined |
| □ | 151 | 0x97 | 0x0000 | Undefined |
| □ | 152 | 0x98 | 0x0000 | Undefined |
| □ | 153 | 0x99 | 0x0000 | Undefined |
| □ | 154 | 0x9A | 0x0000 | Undefined |
| □ | 155 | 0x9B | 0x0000 | Undefined |
| □ | 156 | 0x9C | 0x0000 | Undefined |
| □ | 157 | 0x9D | 0x0000 | Undefined |
| □ | 158 | 0x9E | 0x0000 | Undefined |
| □ | 159 | 0x9F | 0x0000 | Undefined |
|   | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| □ | 255 | 0xFF | 0x0000 | Undefined |

# Portuguese Latin Character Set | NASC 351

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| § | 064 | 0x40 | 0x00A7 | Section sign |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| Ã | 091 | 0x5B | 0x00C3 | Latin capital letter A with tilde |
| Ç | 092 | 0x5C | 0x00C7 | Latin capital letter C with cedilla |
| Õ | 093 | 0x5D | 0x00D5 | Latin capital letter O with tilde |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| ã | 123 | 0x7B | 0x00E3 | Latin small letter a with tilde |
| ç | 124 | 0x7C | 0x00E7 | Latin small letter c with cedilla |
| õ | 125 | 0x7D | 0x00F5 | Latin small letter o with tilde |
| ° | 126 | 0x7E | 0x00B0 | Degree sign |
| | 127 | 0x7F | 0x007F | Delete |

# Portuguese Character Set, cont.                    NASC 351

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
| ☐ | 129 | 0x81 | 0x0000 | Undefined |
| ☐ | 130 | 0x82 | 0x0000 | Undefined |
| ☐ | 131 | 0x83 | 0x0000 | Undefined |
| ☐ | 132 | 0x84 | 0x0000 | Undefined |
| ☐ | 133 | 0x85 | 0x0000 | Undefined |
| ☐ | 134 | 0x86 | 0x0000 | Undefined |
| ☐ | 135 | 0x87 | 0x0000 | Undefined |
| ☐ | 136 | 0x88 | 0x0000 | Undefined |
| ☐ | 137 | 0x89 | 0x0000 | Undefined |
| ☐ | 138 | 0x8A | 0x0000 | Undefined |
| ☐ | 139 | 0x8B | 0x0000 | Undefined |
| ☐ | 140 | 0x8C | 0x0000 | Undefined |
| ☐ | 141 | 0x8D | 0x0000 | Undefined |
| ☐ | 142 | 0x8E | 0x0000 | Undefined |
| ☐ | 143 | 0x8F | 0x0000 | Undefined |
| ☐ | 144 | 0x90 | 0x0000 | Undefined |
| ☐ | 145 | 0x91 | 0x0000 | Undefined |
| ☐ | 146 | 0x92 | 0x0000 | Undefined |
| ☐ | 147 | 0x93 | 0x0000 | Undefined |
| ☐ | 148 | 0x94 | 0x0000 | Undefined |
| ☐ | 149 | 0x95 | 0x0000 | Undefined |
| ☐ | 150 | 0x96 | 0x0000 | Undefined |
| ☐ | 151 | 0x97 | 0x0000 | Undefined |
| ☐ | 152 | 0x98 | 0x0000 | Undefined |
| ☐ | 153 | 0x99 | 0x0000 | Undefined |
| ☐ | 154 | 0x9A | 0x0000 | Undefined |
| ☐ | 155 | 0x9B | 0x0000 | Undefined |
| ☐ | 156 | 0x9C | 0x0000 | Undefined |
| ☐ | 157 | 0x9D | 0x0000 | Undefined |
| ☐ | 158 | 0x9E | 0x0000 | Undefined |
| ☐ | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| À | 161 | 0xA1 | 0x00C0 | Latin capital letter A with grave |
| Â | 162 | 0xA2 | 0x00C2 | Latin capital letter A with circumflex |
| È | 163 | 0xA3 | 0x00C8 | Latin capital letter E with grave |
| Ê | 164 | 0xA4 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 165 | 0xA5 | 0x00CB | Latin capital letter E with diaeresis |
| Î | 166 | 0xA6 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 167 | 0xA7 | 0x00CF | Latin capital letter I with diaeresis |
| ´ | 168 | 0xA8 | 0x00B4 | Acute accent |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ¨ | 171 | 0xAB | 0x00A8 | Diaeresis |
| ~ | 172 | 0xAC | 0x007E | Tilde |
| Ù | 173 | 0xAD | 0x00D9 | Latin capital letter U with grave |
| Û | 174 | 0xAE | 0x00DB | Latin capital letter U with circumflex |
| £ | 175 | 0xAF | 0x20A4 | Lira sign |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
| ☐ | 255 | 0xFF | 0x0000 | Undefined |

# PCMAP Latin Character Set

<div align="right">

**NASC -1**

</div>

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# PCMAP Character Set, cont.                              NASC -1

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ç | 128 | 0x80 | 0x00C7 | Latin capital letter C with cedilla |
| ü | 129 | 0x81 | 0x00FC | Latin small letter u with diaeresis |
| é | 130 | 0x82 | 0x00E9 | Latin small letter e with acute |
| â | 131 | 0x83 | 0x00E2 | Latin small letter a with circumflex |
| ä | 132 | 0x84 | 0x00E4 | Latin small letter a with diaeresis |
| à | 133 | 0x85 | 0x00E0 | Latin small letter a with grave |
| å | 134 | 0x86 | 0x00E5 | Latin small letter a with ring above |
| ç | 135 | 0x87 | 0x00E7 | Latin small letter c with cedilla |
| ê | 136 | 0x88 | 0x00EA | Latin small letter e with circumflex |
| ë | 137 | 0x89 | 0x00EB | Latin small letter e with diaeresis |
| è | 138 | 0x8A | 0x00E8 | Latin small letter e with grave |
| ï | 139 | 0x8B | 0x00EF | Latin small letter i with diaeresis |
| î | 140 | 0x8C | 0x00EE | Latin small letter i with circumflex |
| ì | 141 | 0x8D | 0x00EC | Latin small letter i with grave |
| Ä | 142 | 0x8E | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 143 | 0x8F | 0x00C5 | Latin capital letter A with ring above |
| É | 144 | 0x90 | 0x00C9 | Latin capital letter E with acute |
| æ | 145 | 0x91 | 0x00E6 | Latin small letter æ |
| Æ | 146 | 0x92 | 0x00C6 | Latin capital letter Æ |
| ô | 147 | 0x93 | 0x00F4 | Latin small letter o with circumflex |
| ö | 148 | 0x94 | 0x00F6 | Latin small letter o with diaeresis |
| ò | 149 | 0x95 | 0x00F2 | Latin small letter o with grave |
| û | 150 | 0x96 | 0x00FB | Latin small letter u with circumflex |
| ù | 151 | 0x97 | 0x00F9 | Latin small letter u with grave |
| ÿ | 152 | 0x98 | 0x00FF | Latin small letter y with diaeresis |
| Ö | 153 | 0x99 | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 154 | 0x9A | 0x00DC | Latin capital letter U with diaeresis |
| ¢ | 155 | 0x9B | 0x00A2 | Cent sign |
| £ | 156 | 0x9C | 0x00A3 | Pound sign |
| ¥ | 157 | 0x9D | 0x00A5 | Yen sign |
| § | 158 | 0x9E | 0x00A7 | Section sign |
| ƒ | 159 | 0x9F | 0x0192 | Latin small letter f with hook |
| á | 160 | 0xA0 | 0x00E1 | Latin small letter a with acute |
| í | 161 | 0xA1 | 0x00ED | Latin small letter i with acute |
| ó | 162 | 0xA2 | 0x00F3 | Latin small letter o with acute |
| ú | 163 | 0xA3 | 0x00FA | Latin small letter u with acute |
| ñ | 164 | 0xA4 | 0x00F1 | Latin small letter n with tilde |
| Ñ | 165 | 0xA5 | 0x00D1 | Latin capital letter N with tilde |
| ª | 166 | 0xA6 | 0x00AA | Feminine ordinal indicator |
| º | 167 | 0xA7 | 0x00BA | Masculine ordinal indicator |
| ¿ | 168 | 0xA8 | 0x00BF | Inverted question mark |
| ` | 169 | 0xA9 | 0x0060 | Grave accent |
| ^ | 170 | 0xAA | 0x005E | Circumflex accent |
| ½ | 171 | 0xAB | 0x00BD | Vulgar fraction one half |
| ¼ | 172 | 0xAC | 0x00BC | Vulgar fraction one quarter |
| ¡ | 173 | 0xAD | 0x00A1 | Inverted exclamation mark |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Right-pointing double angle quotation mark |
| ¯ | 176 | 0xB0 | 0x00AF | Macron |
| Ý | 177 | 0xB1 | 0x00DD | Latin capital letter Y with acute |
| ý | 178 | 0xB2 | 0x00FD | Latin small letter y with acute |
| ° | 179 | 0xB3 | 0x00B0 | Degree sign |
| Ç | 180 | 0xB4 | 0x00C7 | Latin capital letter C with cedilla |
| ç | 181 | 0xB5 | 0x00E7 | Latin small letter c with cedilla |
| Ñ | 182 | 0xB6 | 0x00D1 | Latin capital letter N with tilde |
| ñ | 183 | 0xB7 | 0x00F1 | Latin small letter n with tilde |
| ¡ | 184 | 0xB8 | 0x00A1 | Inverted exclamation mark |
| ¿ | 185 | 0xB9 | 0x00BF | Inverted question mark |
| ¤ | 186 | 0xBA | 0x00A4 | Currency sign |
| £ | 187 | 0xBB | 0x00A3 | Pound sign |
| ¥ | 188 | 0xBC | 0x00A5 | Yen sign |
| § | 189 | 0xBD | 0x00A7 | Section sign |
| ƒ | 190 | 0xBE | 0x0192 | Latin small letter f with hook |
| ¢ | 191 | 0xBF | 0x00A2 | Cent sign |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| â | 192 | 0xC0 | 0x00E2 | Latin small letter a with circumflex |
| ê | 193 | 0xC1 | 0x00EA | Latin small letter e with circumflex |
| ô | 194 | 0xC2 | 0x00F4 | Latin small letter o with circumflex |
| û | 195 | 0xC3 | 0x00FB | Latin small letter u with circumflex |
| á | 196 | 0xC4 | 0x00E1 | Latin small letter a with acute |
| é | 197 | 0xC5 | 0x00E9 | Latin small letter e with acute |
| ó | 198 | 0xC6 | 0x00F3 | Latin small letter o with acute |
| ú | 199 | 0xC7 | 0x00FA | Latin small letter u with acute |
| à | 200 | 0xC8 | 0x00E0 | Latin small letter a with grave |
| è | 201 | 0xC9 | 0x00E8 | Latin small letter e with grave |
| ò | 202 | 0xCA | 0x00F2 | Latin small letter o with grave |
| ù | 203 | 0xCB | 0x00F9 | Latin small letter u with grave |
| ä | 204 | 0xCC | 0x00E4 | Latin small letter a with diaeresis |
| ë | 205 | 0xCD | 0x00EB | Latin small letter e with diaeresis |
| ö | 206 | 0xCE | 0x00F6 | Latin small letter o with diaeresis |
| ü | 207 | 0xCF | 0x00FC | Latin small letter u with diaeresis |
| Å | 208 | 0xD0 | 0x00C5 | Latin capital letter A with ring above |
| î | 209 | 0xD1 | 0x00EE | Latin small letter i with circumflex |
| Ø | 210 | 0xD2 | 0x00D8 | Latin capital letter O with stroke |
| Æ | 211 | 0xD3 | 0x00C6 | Latin capital letter Æ |
| å | 212 | 0xD4 | 0x00E5 | Latin small letter a with ring above |
| í | 213 | 0xD5 | 0x00ED | Latin small letter i with acute |
| ø | 214 | 0xD6 | 0x00F8 | Latin small letter o with stroke |
| æ | 215 | 0xD7 | 0x00E6 | Latin small letter æ |
| Ä | 216 | 0xD8 | 0x00C4 | Latin capital letter A with diaeresis |
| ì | 217 | 0xD9 | 0x00EC | Latin small letter i with grave |
| Ö | 218 | 0xDA | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 219 | 0xDB | 0x00DC | Latin capital letter U with diaeresis |
| É | 220 | 0xDC | 0x00C9 | Latin capital letter E with acute |
| ï | 221 | 0xDD | 0x00EF | Latin small letter i with diaeresis |
| ß | 222 | 0xDE | 0x00DF | Latin small letter sharp s |
| Ô | 223 | 0xDF | 0x00D4 | Latin capital letter O with circumflex |
| Á | 224 | 0xE0 | 0x00C1 | Latin capital letter A with acute |
| Ã | 225 | 0xE1 | 0x00C3 | Latin capital letter A with tilde |
| ã | 226 | 0xE2 | 0x00E3 | Latin small letter a with tilde |
| Ð | 227 | 0xE3 | 0x00D0 | Latin capital letter ETH |
| ð | 228 | 0xE4 | 0x00F0 | Latin small letter eth |
| Í | 229 | 0xE5 | 0x00CD | Latin capital letter I with acute |
| Ì | 230 | 0xE6 | 0x00CC | Latin capital letter I with grave |
| Ó | 231 | 0xE7 | 0x00D3 | Latin capital letter O with acute |
| Ò | 232 | 0xE8 | 0x00D2 | Latin capital letter O with grave |
| Õ | 233 | 0xE9 | 0x00D5 | Latin capital letter O with tilde |
| õ | 234 | 0xEA | 0x00F5 | Latin small letter o with tilde |
| Š | 235 | 0xEB | 0x0160 | Latin capital letter S with caron |
| š | 236 | 0xEC | 0x0161 | Latin small letter s with caron |
| Ú | 237 | 0xED | 0x00DA | Latin capital letter U with acute |
| Ÿ | 238 | 0xEE | 0x0178 | Latin capital letter Y with diaeresis |
| ÿ | 239 | 0xEF | 0x00FF | Latin small letter y with diaeresis |
| Þ | 240 | 0xF0 | 0x00DE | Latin capital letter THORN |
| þ | 241 | 0xF1 | 0x00FE | Latin small letter thorn |
| · | 242 | 0xF2 | 0x00B7 | Middle dot |
| µ | 243 | 0xF3 | 0x00B5 | Micro sign |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| ¾ | 245 | 0xF5 | 0x00BE | Vulgar fraction three quarters |
| — | 246 | 0xF6 | 0x2014 | Em dash |
| ¼ | 247 | 0xF7 | 0x00BC | Vulgar fraction one quarter |
| ½ | 248 | 0xF8 | 0x00BD | Vulgar fraction one half |
| ª | 249 | 0xF9 | 0x00AA | Feminine ordinal indicator |
| º | 250 | 0xFA | 0x00BA | Masculine ordinal indicator |
| « | 251 | 0xFB | 0x00AB | Left-pointing double angle quotation mark |
| ■ | 252 | 0xFC | 0x25A0 | Black square |
| » | 253 | 0xFD | 0x00BB | Right-pointing double angle quotation mark |
| ± | 254 | 0xFE | 0x00B1 | Plus-minus sign |
|  | 255 | 0xFF | 0x0000 | Undefined |

# ANSI Latin Character Set

NASC -2

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# ANSI Character Set, cont.

# NASC -2

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| ƒ | 131 | 0x83 | 0x0192 | Latin small letter f with hook |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
| ^ | 136 | 0x88 | 0x02C6 | Modifier letter circumflex accent |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
| Š | 138 | 0x8A | 0x0160 | Latin capital letter S with caron |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
| Œ | 140 | 0x8C | 0x0152 | Latin capital ligature OE |
|  | 141 | 0x8D | 0x0000 | Undefined |
| Ž | 142 | 0x8E | 0x017D | Latin capital letter Z with caron |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
| ~ | 152 | 0x98 | 0x02DC | Small tilde |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
| š | 154 | 0x9A | 0x0161 | Latin small letter s with caron |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
| œ | 156 | 0x9C | 0x0153 | Latin small ligature oe |
|  | 157 | 0x9D | 0x0000 | Undefined |
| ž | 158 | 0x9E | 0x017E | Latin small letter z with caron |
| Ÿ | 159 | 0x9F | 0x0178 | Latin capital letter Y with diaeresis |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| ¡ | 161 | 0xA1 | 0x00A1 | Inverted exclamation mark |
| ¢ | 162 | 0xA2 | 0x00A2 | Cent sign |
| £ | 163 | 0xA3 | 0x00A3 | Pound sign |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| ¥ | 165 | 0xA5 | 0x00A5 | Yen sign |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| ¨ | 168 | 0xA8 | 0x00A8 | Diaeresis |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| ª | 170 | 0xAA | 0x00AA | Feminine ordinal indicator |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| ¯ | 175 | 0xAF | 0x00AF | Macron |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ² | 178 | 0xB2 | 0x00B2 | Superscript 2 |
| ³ | 179 | 0xB3 | 0x00B3 | Superscript 3 |
| ´ | 180 | 0xB4 | 0x00B4 | Acute accent |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ¸ | 184 | 0xB8 | 0x00B8 | Cedilla |
| ¹ | 185 | 0xB9 | 0x00B9 | Superscript one |
| º | 186 | 0xBA | 0x00BA | Masculine ordinal indicator |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| ¼ | 188 | 0xBC | 0x00BC | Vulgar fraction one quarter |
| ½ | 189 | 0xBD | 0x00BD | Vulgar fraction one half |
| ¾ | 190 | 0xBE | 0x00BE | Vulgar fraction three quarters |
| ¿ | 191 | 0xBF | 0x00BF | Inverted question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| À | 192 | 0xC0 | 0x00C0 | Latin capital letter A with grave |
| Á | 193 | 0xC1 | 0x00C1 | Latin capital letter A with acute |
| Â | 194 | 0xC2 | 0x00C2 | Latin capital letter A with circumflex |
| Ã | 195 | 0xC3 | 0x00C3 | Latin capital letter A with tilde |
| Ä | 196 | 0xC4 | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 197 | 0xC5 | 0x00C5 | Latin capital letter A with ring above |
| Æ | 198 | 0xC6 | 0x00C6 | Latin capital letter AE |
| Ç | 199 | 0xC7 | 0x00C7 | Latin capital letter C with cedilla |
| È | 200 | 0xC8 | 0x00C8 | Latin capital letter E with grave |
| É | 201 | 0xC9 | 0x00C9 | Latin capital letter E with acute |
| Ê | 202 | 0xCA | 0x00CA | Latin capital letter E with circumflex |
| Ë | 203 | 0xCB | 0x00CB | Latin capital letter E with diaeresis |
| Ì | 204 | 0xCC | 0x00CC | Latin capital letter I with grave |
| Í | 205 | 0xCD | 0x00CD | Latin capital letter I with acute |
| Î | 206 | 0xCE | 0x00CE | Latin capital letter I with circumflex |
| Ï | 207 | 0xCF | 0x00CF | Latin capital letter I with diaeresis |
| Ð | 208 | 0xD0 | 0x00D0 | Latin capital letter ETH |
| Ñ | 209 | 0xD1 | 0x00D1 | Latin capital letter N with tilde |
| Ò | 210 | 0xD2 | 0x00D2 | Latin capital letter O with grave |
| Ó | 211 | 0xD3 | 0x00D3 | Latin capital letter O with acute |
| Ô | 212 | 0xD4 | 0x00D4 | Latin capital letter O with circumflex |
| Õ | 213 | 0xD5 | 0x00D5 | Latin capital letter O with tilde |
| Ö | 214 | 0xD6 | 0x00D6 | Latin capital letter O with diaeresis |
| × | 215 | 0xD7 | 0x00D7 | Multiplication sign |
| Ø | 216 | 0xD8 | 0x00D8 | Latin capital letter O with stroke |
| Ù | 217 | 0xD9 | 0x00D9 | Latin capital letter U with grave |
| Ú | 218 | 0xDA | 0x00DA | Latin capital letter U with acute |
| Û | 219 | 0xDB | 0x00DB | Latin capital letter U with circumflex |
| Ü | 220 | 0xDC | 0x00DC | Latin capital letter U with diaeresis |
| Ý | 221 | 0xDD | 0x00DD | Latin capital letter Y with acute |
| Þ | 222 | 0xDE | 0x00DE | Latin capital letter THORN |
| ß | 223 | 0xDF | 0x00DF | Latin small letter sharp s |
| à | 224 | 0xE0 | 0x00E0 | Latin small letter a with grave |
| á | 225 | 0xE1 | 0x00E1 | Latin small letter a with acute |
| â | 226 | 0xE2 | 0x00E2 | Latin small letter a with circumflex |
| ã | 227 | 0xE3 | 0x00E3 | Latin small letter a with tilde |
| ä | 228 | 0xE4 | 0x00E4 | Latin small letter a with diaeresis |
| å | 229 | 0xE5 | 0x00E5 | Latin small letter with ring above |
| æ | 230 | 0xE6 | 0x00E6 | Latin small letter AE |
| ç | 231 | 0xE7 | 0x00E7 | Latin small letter c with cedilla |
| è | 232 | 0xE8 | 0x00E8 | Latin small letter e with grave |
| é | 233 | 0xE9 | 0x00E9 | Latin small letter e with acute |
| ê | 234 | 0xEA | 0x00EA | Latin small letter e with circumflex |
| ë | 235 | 0xEB | 0x00EB | Latin small letter e with diaeresis |
| ì | 236 | 0xEC | 0x00EC | Latin small letter i with grave |
| í | 237 | 0xED | 0x00ED | Latin small letter i with acute |
| î | 238 | 0xEE | 0x00EE | Latin small letter i with circumflex |
| ï | 239 | 0xEF | 0x00EF | Latin small letter i with diaeresis |
| ð | 240 | 0xF0 | 0x00F0 | Latin small letter eth |
| ñ | 241 | 0xF1 | 0x00F1 | Latin small letter n with tilde |
| ò | 242 | 0xF2 | 0x00F2 | Latin small letter o with grave |
| ó | 243 | 0xF3 | 0x00F3 | Latin small letter o with acute |
| ô | 244 | 0xF4 | 0x00F4 | Latin small letter o with circumflex |
| õ | 245 | 0xF5 | 0x00F5 | Latin small letter o with tilde |
| ö | 246 | 0xF6 | 0x00F6 | Latin small letter o with diaeresis |
| ÷ | 247 | 0xF7 | 0x00F7 | Division sign |
| ø | 248 | 0xF8 | 0x00F8 | Latin small letter o with stroke |
| ù | 249 | 0xF9 | 0x00F9 | Latin small letter u with grave |
| ú | 250 | 0xFA | 0x00FA | Latin small letter u with acute |
| û | 251 | 0xFB | 0x00FB | Latin small letter u with circumflex |
| ü | 252 | 0xFC | 0x00FC | Latin small letter u with diaeresis |
| ý | 253 | 0xFD | 0x00FD | Latin small letter y with acute |
| þ | 254 | 0xFE | 0x00FE | Latin small letter thorn |
| ÿ | 255 | 0xFF | 0x00FF | Latin small lettery with diaeresis |

# MS-DOS Latin 1 Character Set

# NASC 850

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| | | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# MS-DOS Latin 1 Character Set, cont. NASC 850

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
| Ç | 128 | 0x80 | 0x00C7 | Latin capital letter C with cedilla |
| ü | 129 | 0x81 | 0x00FC | Latin small letter u with diaeresis |
| é | 130 | 0x82 | 0x00E9 | Latin small letter e with acute |
| â | 131 | 0x83 | 0x00E2 | Latin small letter a with circumflex |
| ä | 132 | 0x84 | 0x00E4 | Latin small letter a with diaeresis |
| à | 133 | 0x85 | 0x00E0 | Latin small letter a with grave |
| å | 134 | 0x86 | 0x00E5 | Latin small letter a with ring above |
| ç | 135 | 0x87 | 0x00E7 | Latin small letter c with cedilla |
| ê | 136 | 0x88 | 0x00EA | Latin small letter e with circumflex |
| ë | 137 | 0x89 | 0x00EB | Latin small letter e with diaeresis |
| è | 138 | 0x8A | 0x00E8 | Latin small letter e with grave |
| ï | 139 | 0x8B | 0x00EF | Latin small letter i with diaeresis |
| î | 140 | 0x8C | 0x00EE | Latin small letter i with circumflex |
| ì | 141 | 0x8D | 0x00EC | Latin small letter i with grave |
| Ä | 142 | 0x8E | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 143 | 0x8F | 0x00C5 | Latin capital letter A with ring above |
| É | 144 | 0x90 | 0x00C9 | Latin capital letter E with acute |
| æ | 145 | 0x91 | 0x00E6 | Latin small ligature ae |
| Æ | 146 | 0x92 | 0x00C6 | Latin capital ligature AE |
| ô | 147 | 0x93 | 0x00F4 | Latin small letter o with circumflex |
| ö | 148 | 0x94 | 0x00F6 | Latin small letter o with diaeresis |
| ò | 149 | 0x95 | 0x00F2 | Latin small letter o with grave |
| û | 150 | 0x96 | 0x00FB | Latin small letter u with circumflex |
| ù | 151 | 0x97 | 0x00F9 | Latin small letter u with grave |
| ÿ | 152 | 0x98 | 0x00FF | Latin small letter y with diaeresis |
| Ö | 153 | 0x99 | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 154 | 0x9A | 0x00DC | Latin capital letter U with diaeresis |
| ø | 155 | 0x9B | 0x00F8 | Latin small letter o with stroke |
| £ | 156 | 0x9C | 0x00A3 | Pound sign |
| Ø | 157 | 0x9D | 0x00D8 | Latin capital letter O with stroke |
| × | 158 | 0x9E | 0x00D7 | Multiplication sign |
| ƒ | 159 | 0x9F | 0x0192 | Latin small letter f with hook |
| á | 160 | 0xA0 | 0x00E1 | Latin small letter a with acute |
| í | 161 | 0xA1 | 0x00ED | Latin small letter i with acute |
| ó | 162 | 0xA2 | 0x00F3 | Latin small letter o with acute |
| ú | 163 | 0xA3 | 0x00FA | Latin small letter u with acute |
| ñ | 164 | 0xA4 | 0x00F1 | Latin small letter n with tilde |
| Ñ | 165 | 0xA5 | 0x00D1 | Latin capital letter N with tilde |
| ª | 166 | 0xA6 | 0x00AA | Feminine ordinal indicator |
| º | 167 | 0xA7 | 0x00BA | Masculine ordinal indicator |
| ¿ | 168 | 0xA8 | 0x00BF | Inverted question mark |
| ® | 169 | 0xA9 | 0x00AE | Registered sign |
| ¬ | 170 | 0xAA | 0x00AC | Not sign |
| ½ | 171 | 0xAB | 0x00BD | Vulgar fraction one half |
| ¼ | 172 | 0xAC | 0x00BC | Vulgar fraction one quarter |
| ¡ | 173 | 0xAD | 0x00A1 | Inverted exclamation sign |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Left-pointing double angle quotation mark |
| ▒ | 176 | 0xB0 | 0x2591 | Light shade |
| ▓ | 177 | 0xB1 | 0x2592 | Medium shade |
| ▓ | 178 | 0xB2 | 0x2593 | Dark shade |
| │ | 179 | 0xB3 | 0x2502 | Box drawings light vertical |
| ┤ | 180 | 0xB4 | 0x2524 | Box drawings light vertical and left |
| Á | 181 | 0xB5 | 0x00C1 | Latin capital letter A with acute |
| Â | 182 | 0xB6 | 0x00C2 | Latin capital letter A with circumflex |
| À | 183 | 0xB7 | 0x00C0 | Latin capital letter A with grave |
| © | 184 | 0xB8 | 0x00A9 | Copyright sign |
| ╣ | 185 | 0xB9 | 0x2563 | Box drawings double vertical and left |
| ║ | 186 | 0xBA | 0x2551 | Box drawings double vertical |
| ╗ | 187 | 0xBB | 0x2557 | Box drawings double down and left |
| ╝ | 188 | 0xBC | 0x255D | Box drawings double up and left |
| ¢ | 189 | 0xBD | 0x00A2 | Cent sign |
| ¥ | 190 | 0xBE | 0x00A5 | Yen sign |
| ┐ | 191 | 0xBF | 0x2510 | Box drawings light down and left |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
| └ | 192 | 0xC0 | 0x2514 | Box drawings light up and right |
| ┴ | 193 | 0xC1 | 0x2534 | Box drawings light up and horizontal |
| ┬ | 194 | 0xC2 | 0x252C | Box drawings light down and horizontal |
| ├ | 195 | 0xC3 | 0x251C | Box drawings light vertical and right |
| ─ | 196 | 0xC4 | 0x2500 | Box drawings light horizontal |
| ┼ | 197 | 0xC5 | 0x253C | Box drawings light vertical and horizontal |
| ã | 198 | 0xC6 | 0x00E3 | Latin small letter a with tilde |
| Ã | 199 | 0xC7 | 0x00C3 | Latin capital letter A with tilde |
| ╚ | 200 | 0xC8 | 0x255A | Box drawings double up and right |
| ╔ | 201 | 0xC9 | 0x2554 | Box drawings double down and right |
| ╩ | 202 | 0xCA | 0x2569 | Box drawings double up and horizontal |
| ╦ | 203 | 0xCB | 0x2566 | Box drawings double down and horizontal |
| ╠ | 204 | 0xCC | 0x2560 | Box drawings double vertical and right |
| ═ | 205 | 0xCD | 0x2550 | Box drawings double horizontal |
| ╬ | 206 | 0xCE | 0x256C | Box drawings double vertical and horizontal |
| ¤ | 207 | 0xCF | 0x00A4 | Currency sign |
| ð | 208 | 0xD0 | 0x00F0 | Latin small letter eth |
| Đ | 209 | 0xD1 | 0x00D0 | Latin capital letter ETH |
| Ê | 210 | 0xD2 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 211 | 0xD3 | 0x00CB | Latin capital letter E with diaeresis |
| È | 212 | 0xD4 | 0x00C8 | Latin capital letter E with grave |
| ı | 213 | 0xD5 | 0x0131 | Latin small letter dotless i |
| Í | 214 | 0xD6 | 0x00CD | Latin capital letter I with acute |
| Î | 215 | 0xD7 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 216 | 0xD8 | 0x00CF | Latin capital letter I with diaeresis |
| ┘ | 217 | 0xD9 | 0x2518 | Box drawings light up and left |
| ┌ | 218 | 0xDA | 0x250C | Box drawings light down and right |
| ■ | 219 | 0xDB | 0x2588 | Full block |
| ▄ | 220 | 0xDC | 0x2584 | Lower half block |
| ¦ | 221 | 0xDD | 0x00A6 | Broken bar |
| Ì | 222 | 0xDE | 0x00CC | Latin capital letter I with grave |
| ▀ | 223 | 0xDF | 0x2580 | Upper half block |
| Ó | 224 | 0xE0 | 0x00D3 | Latin capital letter O with acute |
| ß | 225 | 0xE1 | 0x00DF | Latin small letter sharp s |
| Ô | 226 | 0xE2 | 0x00D4 | Latin capital letter O with circumflex |
| Ò | 227 | 0xE3 | 0x00D2 | Latin capital letter O with grave |
| õ | 228 | 0xE4 | 0x00F5 | Latin small letter o with tilde |
| Õ | 229 | 0xE5 | 0x00D5 | Latin capital letter O with tilde |
| µ | 230 | 0xE6 | 0x00B5 | Micro sign |
| þ | 231 | 0xE7 | 0x00FE | Latin small letter thorn |
| Þ | 232 | 0xE8 | 0x00DE | Latin capital letter THORN |
| Ú | 233 | 0xE9 | 0x00DA | Latin capital letter U with acute |
| Û | 234 | 0xEA | 0x00DB | Latin capital letter U with circumflex |
| Ù | 235 | 0xEB | 0x00D9 | Latin capital letter U with grave |
| ý | 236 | 0xEC | 0x00FD | Latin small letter y with acute |
| Ý | 237 | 0xED | 0x00DD | Latin capital letter Y with acute |
| ¯ | 238 | 0xEE | 0x00AF | Macron |
| ´ | 239 | 0xEF | 0x00B4 | Acute accent |
| - | 240 | 0xF0 | 0x00AD | Soft hyphen |
| ± | 241 | 0xF1 | 0x00B1 | Plus-minus sign |
| ‗ | 242 | 0xF2 | 0x2017 | Double low line |
| ¾ | 243 | 0xF3 | 0x00BE | Vulgar fraction three quarters |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| § | 245 | 0xF5 | 0x00A7 | Section sign |
| ÷ | 246 | 0xF6 | 0x00F7 | Division sign |
| ¸ | 247 | 0xF7 | 0x00B8 | Cedilla |
| ° | 248 | 0xF8 | 0x00B0 | Degree sign |
| ¨ | 249 | 0xF9 | 0x00A8 | Diaeresis |
| · | 250 | 0xFA | 0x00B7 | Middle dot |
| ¹ | 251 | 0xFB | 0x00B9 | Superscript one |
| ³ | 252 | 0xFC | 0x00B3 | Superscript three |
| ² | 253 | 0xFD | 0x00B2 | Superscript two |
| ■ | 254 | 0xFE | 0x25A0 | Black square |
|  | 255 | 0xFF | 0x00A0 | No-break space |

# MS-DOS Greek 1 Character Set                    NASC 851

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null | @ | 064 | 0x40 | 0x0040 | Commercial at |
| | 001 | 0x01 | 0x0001 | Start of heading | A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| | 002 | 0x02 | 0x0002 | Start of text | B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| | 003 | 0x03 | 0x0003 | End of text | C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| | 004 | 0x04 | 0x0004 | End of transmission | D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| | 005 | 0x05 | 0x0005 | Enquiry | E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| | 006 | 0x06 | 0x0006 | Acknowledge | F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| | 007 | 0x07 | 0x0007 | Bell | G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| | 008 | 0x08 | 0x0008 | Backspace | H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation | I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| | 010 | 0x0A | 0x000A | Line feed | J | 074 | 0x4A | 0x004A | Latin capital letter J |
| | 011 | 0x0B | 0x000B | Vertical tabulation | K | 075 | 0x4B | 0x004B | Latin capital letter K |
| | 012 | 0x0C | 0x000C | Form feed | L | 076 | 0x4C | 0x004C | Latin capital letter L |
| | 013 | 0x0D | 0x000D | Carriage return | M | 077 | 0x4D | 0x004D | Latin capital letter M |
| | 014 | 0x0E | 0x000E | Shift out | N | 078 | 0x4E | 0x004E | Latin capital letter N |
| | 015 | 0x0F | 0x000F | Shift in | O | 079 | 0x4F | 0x004F | Latin capital letter O |
| | 016 | 0x10 | 0x0010 | Data link escape | P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| | 017 | 0x11 | 0x0011 | Device control one | Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| | 018 | 0x12 | 0x0012 | Device control two | R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| | 019 | 0x13 | 0x0013 | Device control three | S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| | 020 | 0x14 | 0x0014 | Device control four | T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| | 021 | 0x15 | 0x0015 | Negative acknowledge | U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| | 022 | 0x16 | 0x0016 | Synchronous idle | V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| | 023 | 0x17 | 0x0017 | End of transmission block | W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| | 024 | 0x18 | 0x0018 | Cancel | X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| | 025 | 0x19 | 0x0019 | End of medium | Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| | 026 | 0x1A | 0x001A | Substitute | Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| | 027 | 0x1B | 0x001B | Escape | [ | 091 | 0x5B | 0x005B | Left square bracket |
| | 028 | 0x1C | 0x001C | File separator | \ | 092 | 0x5C | 0x005C | Reverse solidus |
| | 029 | 0x1D | 0x001D | Group separator | ] | 093 | 0x5D | 0x005D | Right square bracket |
| | 030 | 0x1E | 0x001E | Record separator | ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| | 031 | 0x1F | 0x001F | Unit separator | _ | 095 | 0x5F | 0x005F | Low line |
| | 032 | 0x20 | 0x0020 | Space | ` | 096 | 0x60 | 0x0060 | Grave accent |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark | a | 097 | 0x61 | 0x0061 | Latin small letter a |
| " | 034 | 0x22 | 0x0022 | Quotation mark | b | 098 | 0x62 | 0x0062 | Latin small letter b |
| # | 035 | 0x23 | 0x0023 | Number sign | c | 099 | 0x63 | 0x0063 | Latin small letter c |
| $ | 036 | 0x24 | 0x0024 | Dollar sign | d | 100 | 0x64 | 0x0064 | Latin small letter d |
| % | 037 | 0x25 | 0x0025 | Percent sign | e | 101 | 0x65 | 0x0065 | Latin small letter e |
| & | 038 | 0x26 | 0x0026 | Ampersand | f | 102 | 0x66 | 0x0066 | Latin small letter f |
| ' | 039 | 0x27 | 0x0027 | Apostrophe | g | 103 | 0x67 | 0x0067 | Latin small letter g |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis | h | 104 | 0x68 | 0x0068 | Latin small letter h |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis | i | 105 | 0x69 | 0x0069 | Latin small letter i |
| * | 042 | 0x2A | 0x002A | Asterisk | j | 106 | 0x6A | 0x006A | Latin small letter j |
| + | 043 | 0x2B | 0x002B | Plus sign | k | 107 | 0x6B | 0x006B | Latin small letter k |
| , | 044 | 0x2C | 0x002C | Comma | l | 108 | 0x6C | 0x006C | Latin small letter l |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus | m | 109 | 0x6D | 0x006D | Latin small letter m |
| . | 046 | 0x2E | 0x002E | Full stop | n | 110 | 0x6E | 0x006E | Latin small letter n |
| / | 047 | 0x2F | 0x002F | Solidus | o | 111 | 0x6F | 0x006F | Latin small letter o |
| 0 | 048 | 0x30 | 0x0030 | Digit zero | p | 112 | 0x70 | 0x0070 | Latin small letter p |
| 1 | 049 | 0x31 | 0x0031 | Digit one | q | 113 | 0x71 | 0x0071 | Latin small letter q |
| 2 | 050 | 0x32 | 0x0032 | Digit two | r | 114 | 0x72 | 0x0072 | Latin small letter r |
| 3 | 051 | 0x33 | 0x0033 | Digit three | s | 115 | 0x73 | 0x0073 | Latin small letter s |
| 4 | 052 | 0x34 | 0x0034 | Digit four | t | 116 | 0x74 | 0x0074 | Latin small letter t |
| 5 | 053 | 0x35 | 0x0035 | Digit five | u | 117 | 0x75 | 0x0075 | Latin small letter u |
| 6 | 054 | 0x36 | 0x0036 | Digit six | v | 118 | 0x76 | 0x0076 | Latin small letter v |
| 7 | 055 | 0x37 | 0x0037 | Digit seven | w | 119 | 0x77 | 0x0077 | Latin small letter w |
| 8 | 056 | 0x38 | 0x0038 | Digit eight | x | 120 | 0x78 | 0x0078 | Latin small letter x |
| 9 | 057 | 0x39 | 0x0039 | Digit nine | y | 121 | 0x79 | 0x0079 | Latin small letter y |
| : | 058 | 0x3A | 0x003A | Colon | z | 122 | 0x7A | 0x007A | Latin small letter z |
| ; | 059 | 0x3B | 0x003B | Semicolon | { | 123 | 0x7B | 0x007B | Left curly bracket |
| < | 060 | 0x3C | 0x003C | Less-than sign | \| | 124 | 0x7C | 0x007C | Vertical line |
| = | 061 | 0x3D | 0x003D | Equals sign | } | 125 | 0x7D | 0x007D | Right curly bracket |
| > | 062 | 0x3E | 0x003E | Greater-than sign | ~ | 126 | 0x7E | 0x007E | Tilde |
| ? | 063 | 0x3F | 0x003F | Question mark | | 127 | 0x7F | 0x007F | Delete |

# MS-DOS Greek 1 Character Set, cont. NASC 851

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ç | 128 | 0x80 | 0x00C7 | Latin capital letter C with cedilla |
| ü | 129 | 0x81 | 0x00FC | Latin small letter u with diaeresis |
| é | 130 | 0x82 | 0x00E9 | Latin small letter e with acute |
| â | 131 | 0x83 | 0x00E2 | Latin small letter a with circumflex |
| ä | 132 | 0x84 | 0x00E4 | Latin small letter a with diaeresis |
| à | 133 | 0x85 | 0x00E0 | Latin small letter a with grave |
| Ά | 134 | 0x86 | 0x0386 | Greek capital letter ALPHA with tonos |
| ç | 135 | 0x87 | 0x00E7 | Latin small letter c with cedilla |
| ê | 136 | 0x88 | 0x00EA | Latin small letter e with circumflex |
| ë | 137 | 0x89 | 0x00EB | Latin small letter e with diaeresis |
| è | 138 | 0x8A | 0x00E8 | Latin small letter e with grave |
| ï | 139 | 0x8B | 0x00EF | Latin small letter i with diaeresis |
| î | 140 | 0x8C | 0x00EE | Latin small letter i with circumflex |
| Έ | 141 | 0x8D | 0x0388 | Greek capital letter EPSILON with tonos |
| Ä | 142 | 0x8E | 0x00C4 | Latin capital letter A with diaeresis |
| Ή | 143 | 0x8F | 0x0389 | Greek capital letter ETA with tonos |
| Ί | 144 | 0x90 | 0x038A | Greek capital letter IOTA with tonos |
|  | 145 | 0x91 | 0x0000 | Undefined |
| Ό | 146 | 0x92 | 0x038C | Greek capital letter OMICRON with tonos |
| ô | 147 | 0x93 | 0x00F4 | Latin small letter o with circumflex |
| ö | 148 | 0x94 | 0x00F6 | Latin small letter o with diaeresis |
| Ύ | 149 | 0x95 | 0x038E | Greek capital letter UPSILON with tonos |
| û | 150 | 0x96 | 0x00FB | Latin small letter u with circumflex |
| ù | 151 | 0x97 | 0x00F9 | Latin small letter u with grave |
| Ώ | 152 | 0x98 | 0x038F | Greek capital letter OMEGA with tonos |
| Ö | 153 | 0x99 | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 154 | 0x9A | 0x00DC | Latin capital letter U with diaeresis |
| ά | 155 | 0x9B | 0x03AC | Greek small letter alpha with tonos |
| £ | 156 | 0x9C | 0x00A3 | Pound sign |
| έ | 157 | 0x9D | 0x03AD | Greek small letter epsilon with tonos |
| ή | 158 | 0x9E | 0x03AE | Greek small letter eta with tonos |
| ί | 159 | 0x9F | 0x03AF | Greek small letter iota with tonos |
| ϊ | 160 | 0xA0 | 0x03CA | Greek small letter iota w dialytika |
| ΐ | 161 | 0xA1 | 0x0390 | Greek small letter iota w dialytika and tonos |
| ό | 162 | 0xA2 | 0x03CC | Greek small letter omicron with tonos |
| ύ | 163 | 0xA3 | 0x03CD | Greek small letter upsilon with tonos |
| Α | 164 | 0xA4 | 0x0391 | Greek capital letter ALPHA |
| Β | 165 | 0xA5 | 0x0392 | Greek capital letter BETA |
| Γ | 166 | 0xA6 | 0x0393 | Greek capital letter GAMMA |
| Δ | 167 | 0xA7 | 0x0394 | Greek capital letter DELTA |
| Ε | 168 | 0xA8 | 0x0395 | Greek capital letter EPSILON |
| Ζ | 169 | 0xA9 | 0x0396 | Greek capital letter ZETA |
| Η | 170 | 0xAA | 0x0397 | Greek capital letter ETA |
| ½ | 171 | 0xAB | 0x00BD | Vulgar fraction one half |
| Θ | 172 | 0xAC | 0x0398 | Greek capital letter THETA |
| Ι | 173 | 0xAD | 0x0399 | Greek capital letter IOTA |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Left-pointing double angle quotation mark |
| ▒ | 176 | 0xB0 | 0x2591 | Light shade |
| ▓ | 177 | 0xB1 | 0x2592 | Medium shade |
| ▓ | 178 | 0xB2 | 0x2593 | Dark shade |
| │ | 179 | 0xB3 | 0x2502 | Box drawings light vertical |
| ┤ | 180 | 0xB4 | 0x2524 | Box drawings light vertical and left |
| Κ | 181 | 0xB5 | 0x039A | Greek capital letter KAPPA |
| Λ | 182 | 0xB6 | 0x039B | Greek capital letter LAMDA |
| Μ | 183 | 0xB7 | 0x039C | Greek capital letter MU |
| Ν | 184 | 0xB8 | 0x039D | Greek capital letter NU |
| ╣ | 185 | 0xB9 | 0x2563 | Box drawings double vertical and left |
| ║ | 186 | 0xBA | 0x2551 | Box drawings double vertical |
| ╗ | 187 | 0xBB | 0x2557 | Box drawings double down and left |
| ╝ | 188 | 0xBC | 0x255D | Box drawings double up and left |
| Ξ | 189 | 0xBD | 0x039E | Greek capital letter XI |
| Ο | 190 | 0xBE | 0x039F | Greek capital letter OMICRON |
| ┐ | 191 | 0xBF | 0x2510 | Box drawings light down and left |
| └ | 192 | 0xC0 | 0x2514 | Box drawings light up and right |
| ┴ | 193 | 0xC1 | 0x2534 | Box drawings light up and horizontal |
| ┬ | 194 | 0xC2 | 0x252C | Box drawings light down and horizontal |
| ├ | 195 | 0xC3 | 0x251C | Box drawings light vertical and right |
| ─ | 196 | 0xC4 | 0x2500 | Box drawings light horizontal |
| ┼ | 197 | 0xC5 | 0x253C | Box drawings light vertical and horizontal |
| Π | 198 | 0xC6 | 0x03A0 | Greek capital letter PI |
| Ρ | 199 | 0xC7 | 0x03A1 | Greek capital letter RHO |
| ╚ | 200 | 0xC8 | 0x255A | Box drawings double up and right |
| ╔ | 201 | 0xC9 | 0x2554 | Box drawings double down and right |
| ╩ | 202 | 0xCA | 0x2569 | Box drawings double up and horizontal |
| ╦ | 203 | 0xCB | 0x2566 | Box drawings double down and horizontal |
| ╠ | 204 | 0xCC | 0x2560 | Box drawings double vertical and right |
| ═ | 205 | 0xCD | 0x2550 | Box drawings double horizontal |
| ╬ | 206 | 0xCE | 0x256C | Box drawings double vertical and horizontal |
| Σ | 207 | 0xCF | 0x03A3 | Greek capital letter SIGMA |
| Τ | 208 | 0xD0 | 0x03A4 | Greek capital letter TAU |
| Υ | 209 | 0xD1 | 0x03A5 | Greek capital letter UPSILON |
| Φ | 210 | 0xD2 | 0x03A6 | Greek capital letter PHI |
| Χ | 211 | 0xD3 | 0x03A7 | Greek capital letter CHI |
| Ψ | 212 | 0xD4 | 0x03A8 | Greek capital letter PSI |
| Ω | 213 | 0xD5 | 0x03A9 | Greek capital letter OMEGA |
| α | 214 | 0xD6 | 0x03B1 | Greek small letter alpha |
| β | 215 | 0xD7 | 0x03B2 | Greek small letter beta |
| γ | 216 | 0xD8 | 0x03B3 | Greek small letter gamma |
| ┘ | 217 | 0xD9 | 0x2518 | Box drawings light up and left |
| ┌ | 218 | 0xDA | 0x250C | Box drawings light down and right |
| ■ | 219 | 0xDB | 0x2588 | Full block |
| ▄ | 220 | 0xDC | 0x2584 | Lower half block |
| δ | 221 | 0xDD | 0x03B4 | Greek small letter delta |
| ε | 222 | 0xDE | 0x03B5 | Greek small letter epsilon |
| ▀ | 223 | 0xDF | 0x2580 | Upper half block |
| ζ | 224 | 0xE0 | 0x03B6 | Greek small letter zeta |
| η | 225 | 0xE1 | 0x03B7 | Greek small letter eta |
| θ | 226 | 0xE2 | 0x03B8 | Greek small letter theta |
| ι | 227 | 0xE3 | 0x03B9 | Greek small letter ioya |
| κ | 228 | 0xE4 | 0x03BA | Greek small letter kappa |
| λ | 229 | 0xE5 | 0x03BB | Greek small letter lamda |
| μ | 230 | 0xE6 | 0x03BC | Greek small letter mu |
| ν | 231 | 0xE7 | 0x03BD | Greek small letter nu |
| ξ | 232 | 0xE8 | 0x03BE | Greek small letter xi |
| ο | 233 | 0xE9 | 0x03BF | Greek small letter omicron |
| π | 234 | 0xEA | 0x03C0 | Greek small letter pi |
| ρ | 235 | 0xEB | 0x03C1 | Greek small letter rho |
| σ | 236 | 0xEC | 0x03C3 | Greek small letter sigma |
| ς | 237 | 0xED | 0x03C2 | Greek small letter final sigma |
| τ | 238 | 0xEE | 0x03C4 | Greek small letter tau |
| ´ | 239 | 0xEF | 0x00B4 | Acute accent |
| - | 240 | 0xF0 | 0x00AD | Soft hyphen |
| ± | 241 | 0xF1 | 0x00B1 | Plus-minus sign |
| υ | 242 | 0xF2 | 0x03C5 | Greek small letter upsilon |
| φ | 243 | 0xF3 | 0x03C6 | Greek small letter phi |
| χ | 244 | 0xF4 | 0x03C7 | Greek small letter chi |
| § | 245 | 0xF5 | 0x00A7 | Section sign |
| ψ | 246 | 0xF6 | 0x03C8 | Greek small letter psi |
| ¸ | 247 | 0xF7 | 0x00B8 | Cedilla |
| ° | 248 | 0xF8 | 0x00B0 | Degree sign |
| ¨ | 249 | 0xF9 | 0x00A8 | Diaeresis |
| ω | 250 | 0xFA | 0x03C9 | Greek small letter omega |
| ϋ | 251 | 0xFB | 0x03CB | Greek small letter upsilon with dialytika |
| ΰ | 252 | 0xFC | 0x03B0 | Greek small letter upsilon w dialytika and tonos |
| ώ | 253 | 0xFD | 0x03CE | Greek small letter omega with tonos |
| ■ | 254 | 0xFE | 0x25A0 | Black square |
|  | 255 | 0xFF | 0x00A0 | No-break space |

# MS-DOS Latin 2 Character Set                    NASC 852

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# MS-DOS Latin 2 Character Set, cont.

**NASC 852**

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ç | 128 | 0x80 | 0x00C7 | Latin capital letter C with cedilla |
| ü | 129 | 0x81 | 0x00FC | Latin small letter u with diaeresis |
| é | 130 | 0x82 | 0x00E9 | Latin small letter e with acute |
| â | 131 | 0x83 | 0x00E2 | Latin small letter a with circumflex |
| ä | 132 | 0x84 | 0x00E4 | Latin small letter a with diaeresis |
| ů | 133 | 0x85 | 0x016F | Latin small letter u with ring above |
| ć | 134 | 0x86 | 0x0107 | Latin small letter c with acute |
| ç | 135 | 0x87 | 0x00E7 | Latin small letter c with cedilla |
| ł | 136 | 0x88 | 0x0142 | Latin small letter l with stroke |
| ë | 137 | 0x89 | 0x00EB | Latin small letter e with diaeresis |
| Ő | 138 | 0x8A | 0x0150 | Latin capital letter O with double acute |
| ő | 139 | 0x8B | 0x0151 | Latin small letter o with double acute |
| î | 140 | 0x8C | 0x00EE | Latin small letter i with circumflex |
| Ź | 141 | 0x8D | 0x0179 | Latin capital letter Z with acute |
| Ä | 142 | 0x8E | 0x00C4 | Latin capital letter A with diaeresis |
| Ć | 143 | 0x8F | 0x0106 | Latin capital letter C with acute |
| É | 144 | 0x90 | 0x00C9 | Latin capital letter E with acute |
| Ĺ | 145 | 0x91 | 0x0139 | Latin capital letter L with acute |
| ĺ | 146 | 0x92 | 0x013A | Latin small letter l with acute |
| ô | 147 | 0x93 | 0x00F4 | Latin small letter o with circumflex |
| ö | 148 | 0x94 | 0x00F6 | Latin small letter o with diaeresis |
| Ľ | 149 | 0x95 | 0x013D | Latin capital letter L with caron |
| ľ | 150 | 0x96 | 0x013E | Latin small letter l with caron |
| Ś | 151 | 0x97 | 0x015A | Latin capital letter S with acute |
| ś | 152 | 0x98 | 0x015B | Latin small letter s with acute |
| Ö | 153 | 0x99 | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 154 | 0x9A | 0x00DC | Latin capital letter U with diaeresis |
| Ť | 155 | 0x9B | 0x0164 | Latin capital letter T with caron |
| ť | 156 | 0x9C | 0x0165 | Latin small letter t with caron |
| Ł | 157 | 0x9D | 0x0141 | Latin capital letter L with stroke |
| × | 158 | 0x9E | 0x00D7 | Multiplication sign |
| č | 159 | 0x9F | 0x010D | Latin small letter c with caron |
| á | 160 | 0xA0 | 0x00E1 | Latin small letter a with acute |
| í | 161 | 0xA1 | 0x00ED | Latin small letter i with acute |
| ó | 162 | 0xA2 | 0x00F3 | Latin small letter o with acute |
| ú | 163 | 0xA3 | 0x00FA | Latin small letter u with acute |
| Ą | 164 | 0xA4 | 0x0104 | Latin capital letter A with ogonek |
| ą | 165 | 0xA5 | 0x0105 | Latin small letter a with ogonek |
| Ž | 166 | 0xA6 | 0x017D | Latin capital letter Z with caron |
| ž | 167 | 0xA7 | 0x017E | Latin small letter z with caron |
| Ę | 168 | 0xA8 | 0x0118 | Latin capital letter E with ogonek |
| ę | 169 | 0xA9 | 0x0119 | Latin small letter e with ogonek |
| ¬ | 170 | 0xAA | 0x00AC | Not sign |
| ź | 171 | 0xAB | 0x017A | Latin small letter z with acute |
| Č | 172 | 0xAC | 0x010C | Latin capital letter C with caron |
| ş | 173 | 0xAD | 0x015F | Latin small letter s with cedilla |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Right-pointing double angle quotation mark |
| ░ | 176 | 0xB0 | 0x2591 | Light shade |
| ▒ | 177 | 0xB1 | 0x2592 | Medium shade |
| ▓ | 178 | 0xB2 | 0x2593 | Dark shade |
| │ | 179 | 0xB3 | 0x2502 | Box drawings light vertical |
| ┤ | 180 | 0xB4 | 0x2524 | Box drawings light vertical and left |
| Á | 181 | 0xB5 | 0x00C1 | Latin capital letter A with acute |
| Â | 182 | 0xB6 | 0x00C2 | Latin capital letter A with circumflex |
| Ě | 183 | 0xB7 | 0x011A | Latin capital letter E with caron |
| Ş | 184 | 0xB8 | 0x015E | Latin capital letter S with cedilla |
| ╣ | 185 | 0xB9 | 0x2563 | Box drawings double vertical and left |
| ║ | 186 | 0xBA | 0x2551 | Box drawings double vertical |
| ╗ | 187 | 0xBB | 0x2557 | Box drawings double down and left |
| ╝ | 188 | 0xBC | 0x255D | Box drawings double up and left |
| Ż | 189 | 0xBD | 0x017B | Latin capital letter Z with dot above |
| ż | 190 | 0xBE | 0x017C | Latin small letter z with dot above |
| ┐ | 191 | 0xBF | 0x2510 | Box drawings light down and left |
| └ | 192 | 0xC0 | 0x2514 | Box drawings light up and right |
| ┴ | 193 | 0xC1 | 0x2534 | Box drawings light up and horizontal |
| ┬ | 194 | 0xC2 | 0x252C | Box drawings light down and horizontal |
| ├ | 195 | 0xC3 | 0x251C | Box drawings light vertical and right |
| ─ | 196 | 0xC4 | 0x2500 | Box drawings light horizontal |
| ┼ | 197 | 0xC5 | 0x253C | Box drawings light vertical and horizontal |
| Ă | 198 | 0xC6 | 0x0102 | Latin captial letter A with breve |
| ă | 199 | 0xC7 | 0x0103 | Latin capital letter A with breve |
| ╚ | 200 | 0xC8 | 0x255A | Box drawings double up and right |
| ╔ | 201 | 0xC9 | 0x2554 | Box drawings double down and right |
| ╩ | 202 | 0xCA | 0x2569 | Box drawings double up and horizontal |
| ╦ | 203 | 0xCB | 0x2566 | Box drawings double down and horizontal |
| ╠ | 204 | 0xCC | 0x2560 | Box drawings double vertical and right |
| ═ | 205 | 0xCD | 0x2550 | Box drawings double horizontal |
| ╬ | 206 | 0xCE | 0x256C | Box drawings double vertical and horizontal |
| ¤ | 207 | 0xCF | 0x00A4 | Currency sign |
| đ | 208 | 0xD0 | 0x0111 | Latin small letter d with stroke |
| Đ | 209 | 0xD1 | 0x0110 | Latin capital letter D with stroke |
| Ď | 210 | 0xD2 | 0x010E | Latin capital letter D with caron |
| Ë | 211 | 0xD3 | 0x00CB | Latin capital letter E with diaeresis |
| ď | 212 | 0xD4 | 0x010F | Latin small letter d with caron |
| Ň | 213 | 0xD5 | 0x0147 | Latin capital letter N with caron |
| Í | 214 | 0xD6 | 0x00CD | Latin capital letter I with acute |
| Î | 215 | 0xD7 | 0x00CE | Latin capital letter I with circumflex |
| ě | 216 | 0xD8 | 0x011B | Latin small letter e with caron |
| ┘ | 217 | 0xD9 | 0x2518 | Box drawings light up and left |
| ┌ | 218 | 0xDA | 0x250C | Box drawings light down and right |
| █ | 219 | 0xDB | 0x2588 | Full block |
| ▄ | 220 | 0xDC | 0x2584 | Lower half block |
| Ţ | 221 | 0xDD | 0x0162 | Latin capital letter T with cedilla |
| Ů | 222 | 0xDE | 0x016E | Latin capital letter U with ring above |
| ▀ | 223 | 0xDF | 0x2580 | Upper half block |
| Ó | 224 | 0xE0 | 0x00D3 | Latin capital letter O with acute |
| ß | 225 | 0xE1 | 0x00DF | Latin small letter sharp s |
| Ô | 226 | 0xE2 | 0x00D4 | Latin capital letter O with circumflex |
| Ń | 227 | 0xE3 | 0x0143 | Latin capital letter N with acute |
| ń | 228 | 0xE4 | 0x0144 | Latin small letter n with acute |
| ň | 229 | 0xE5 | 0x0148 | Latin small letter n with caron |
| Š | 230 | 0xE6 | 0x0160 | Latin capital letter S with caron |
| š | 231 | 0xE7 | 0x0161 | Latin small letter s with caron |
| Ŕ | 232 | 0xE8 | 0x0154 | Latin capital letter R with acute |
| Ú | 233 | 0xE9 | 0x00DA | Latin capital letter U with acute |
| ŕ | 234 | 0xEA | 0x0155 | Latin small letter r with acute |
| Ű | 235 | 0xEB | 0x0170 | Latin capital letter U with double acute |
| ý | 236 | 0xEC | 0x00FD | Latin small letter y with acute |
| Ý | 237 | 0xED | 0x00DD | Latin capital letter Y with acute |
| ţ | 238 | 0xEE | 0x0163 | Latin small letter t with cedilla |
| ´ | 239 | 0xEF | 0x00B4 | Acute accent |
| - | 240 | 0xF0 | 0x00AD | Soft hyphen |
| ˝ | 241 | 0xF1 | 0x02DD | Double acute accent |
| ˛ | 242 | 0xF2 | 0x02DB | Ogonek |
| ˇ | 243 | 0xF3 | 0x02CF | Caron |
| ˘ | 244 | 0xF4 | 0x02D8 | Breve |
| § | 245 | 0xF5 | 0x00A7 | Section sign |
| ÷ | 246 | 0xF6 | 0x00F7 | Division sign |
| ¸ | 247 | 0xF7 | 0x00B8 | Cedilla |
| ° | 248 | 0xF8 | 0x00B0 | Degree sign |
| ¨ | 249 | 0xF9 | 0x00A8 | Diaeresis |
| ˙ | 250 | 0xFA | 0x02D9 | Dot above |
| ű | 251 | 0xFB | 0x0171 | Latin small letter u with double acute |
| Ř | 252 | 0xFC | 0x0158 | Latin capital letter R with caron |
| ř | 253 | 0xFD | 0x0159 | Latin small letter r with caron |
| ■ | 254 | 0xFE | 0x25A0 | Black square |
|  | 255 | 0xFF | 0x00A0 | No-break space |

# MS-DOS Cyrillic Character Set

### NASC 855

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# MS-DOS Cyrillic Character Set, cont.

## NASC 855

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| ђ | 128 | 0x80 | 0x0452 | Cyrillic small letter dje |
| Ђ | 129 | 0x81 | 0x0402 | Cyrillic capital letter DJE |
| ѓ | 130 | 0x82 | 0x0453 | Cyrillic small letter gje |
| Ѓ | 131 | 0x83 | 0x0403 | Cyrillic capital letter GJE |
| ё | 132 | 0x84 | 0x0451 | Cyrillic small letter io |
| Ё | 133 | 0x85 | 0x0401 | Cyrillic capital letter IO |
| є | 134 | 0x86 | 0x0454 | Cyrillic small letter Ukrainian ie |
| Є | 135 | 0x87 | 0x0404 | Cyrillic capital letter Ukrainian IE |
| ѕ | 136 | 0x88 | 0x0455 | Cyrillic small letter dze |
| Ѕ | 137 | 0x89 | 0x0405 | Cyrillic capital letter DZE |
| і | 138 | 0x8A | 0x0456 | Cyrillic small letter Byelorussian/Ukrainian i |
| І | 139 | 0x8B | 0x0406 | Cyrillic capital letter Byelorussian/Ukrainian I |
| ї | 140 | 0x8C | 0x0457 | Cyrillic small letter yi |
| Ї | 141 | 0x8D | 0x0407 | Cyrillic capital letter YI |
| ј | 142 | 0x8E | 0x0458 | Cyrillic small letter je |
| Ј | 143 | 0x8F | 0x0408 | Cyrillic capital letter JE |
| љ | 144 | 0x90 | 0x0459 | Cyrillic small letter lje |
| Љ | 145 | 0x91 | 0x0409 | Cyrillic capital letter LJE |
| њ | 146 | 0x92 | 0x045A | Cyrillic small letter nje |
| Њ | 147 | 0x93 | 0x040A | Cyrillic capital letter NJE |
| ћ | 148 | 0x94 | 0x045B | Cyrillic small letter tshe |
| Ћ | 149 | 0x95 | 0x040B | Cyrillic capital letter TSHE |
| ќ | 150 | 0x96 | 0x045C | Cyrillic small letter kje |
| Ќ | 151 | 0x97 | 0x040C | Cyrillic capital letter KJE |
| ў | 152 | 0x98 | 0x045E | Cyrillic small letter short u |
| Ў | 153 | 0x99 | 0x040E | Cyrillic capital letter short U |
| џ | 154 | 0x9A | 0x045F | Cyrillic small letter dzhe |
| Џ | 155 | 0x9B | 0x040F | Cyrillic capital letter DZHE |
| ю | 156 | 0x9C | 0x044E | Cyrillic small letter yu |
| Ю | 157 | 0x9D | 0x042E | Cyrillic capital letter YU |
| ъ | 158 | 0x9E | 0x044A | Cyrillic small letter hard sign |
| Ъ | 159 | 0x9F | 0x042A | Cyrillic capital letter HARD SIGN |
| а | 160 | 0xA0 | 0x0430 | Cyrillic small letter a |
| А | 161 | 0xA1 | 0x0410 | Cyrillic capital letter A |
| б | 162 | 0xA2 | 0x0431 | Cyrillic small letter be |
| Б | 163 | 0xA3 | 0x0411 | Cyrillic capital letter BE |
| ц | 164 | 0xA4 | 0x0446 | Cyrillic small letter tse |
| Ц | 165 | 0xA5 | 0x0426 | Cyrillic capital letter TSE |
| д | 166 | 0xA6 | 0x0434 | Cyrillic small letter de |
| Д | 167 | 0xA7 | 0x0414 | Cyrillic capital letter DE |
| е | 168 | 0xA8 | 0x0435 | Cyrillic small letter ie |
| Е | 169 | 0xA9 | 0x0415 | Cyrillic capital letter IE |
| ф | 170 | 0xAA | 0x0444 | Cyrillic small letter ef |
| Ф | 171 | 0xAB | 0x0424 | Cyrillic capital letter EF |
| г | 172 | 0xAC | 0x0433 | Cyrillic small letter ghe |
| Г | 173 | 0xAD | 0x0413 | Cyrillic capital letter GHE |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Right-pointing double angle quotation mark |
| ▒ | 176 | 0xB0 | 0x2591 | Light shade |
| ▓ | 177 | 0xB1 | 0x2592 | Medium shade |
| ▓ | 178 | 0xB2 | 0x2593 | Dark shade |
| │ | 179 | 0xB3 | 0x2502 | Box drawings light vertical |
| ┤ | 180 | 0xB4 | 0x2524 | Box drawings light vertical and left |
| х | 181 | 0xB5 | 0x0445 | Cyrillic small letter ha |
| Х | 182 | 0xB6 | 0x0425 | Cyrillic capital letter HA |
| и | 183 | 0xB7 | 0x0438 | Cyrillic small letter i |
| И | 184 | 0xB8 | 0x0418 | Cyrillic capital letter I |
| ╣ | 185 | 0xB9 | 0x2563 | Box drawings double vertical and left |
| ║ | 186 | 0xBA | 0x2551 | Box drawings double vertical |
| ╗ | 187 | 0xBB | 0x2557 | Box drawings double down and left |
| ╝ | 188 | 0xBC | 0x255D | Box drawings double up and left |
| й | 189 | 0xBD | 0x0439 | Cyrillic small letter short i |
| Й | 190 | 0xBE | 0x0419 | Cyrillic capital letter short I |
| ┐ | 191 | 0xBF | 0x2510 | Box drawings light down and left |
| └ | 192 | 0xC0 | 0x2514 | Box drawings light up and right |
| ┴ | 193 | 0xC1 | 0x2534 | Box drawings light up and horizontal |
| ┬ | 194 | 0xC2 | 0x252C | Box drawings light down and horizontal |
| ├ | 195 | 0xC3 | 0x251C | Box drawings light vertical and right |
| ─ | 196 | 0xC4 | 0x2500 | Box drawings light horizontal |
| ┼ | 197 | 0xC5 | 0x253C | Box drawings light vertical and horizontal |
| к | 198 | 0xC6 | 0x043A | Cyrillic small letter ka |
| К | 199 | 0xC7 | 0x00C3 | Cyrillic capital letter KA |
| ╚ | 200 | 0xC8 | 0x255A | Box drawings double up and right |
| ╔ | 201 | 0xC9 | 0x2554 | Box drawings double down and right |
| ╩ | 202 | 0xCA | 0x2569 | Box drawings double up and horizontal |
| ╦ | 203 | 0xCB | 0x2566 | Box drawings double down and horizontal |
| ╠ | 204 | 0xCC | 0x2560 | Box drawings double vertical and right |
| ═ | 205 | 0xCD | 0x2550 | Box drawings double horizontal |
| ╬ | 206 | 0xCE | 0x256C | Box drawings double vertical and horizontal |
| ¤ | 207 | 0xCF | 0x00A4 | Currency sign |
| л | 208 | 0xD0 | 0x043B | Cyrillic small letter el |
| Л | 209 | 0xD1 | 0x041B | Cyrillic capital letter EL |
| м | 210 | 0xD2 | 0x043C | Cyrillic small letter em |
| М | 211 | 0xD3 | 0x041C | Cyrillic capital letter EM |
| н | 212 | 0xD4 | 0x043D | Cyrillic small letter en |
| Н | 213 | 0xD5 | 0x041D | Cyrillic capital letter EN |
| о | 214 | 0xD6 | 0x043E | Cyrillic small letter o |
| О | 215 | 0xD7 | 0x041E | Cyrillic capital letter O |
| п | 216 | 0xD8 | 0x043F | Cyrillic small letter pe |
| ┘ | 217 | 0xD9 | 0x2518 | Box drawings light up and left |
| ┌ | 218 | 0xDA | 0x250C | Box drawings light down and right |
| █ | 219 | 0xDB | 0x2588 | Full block |
| ▄ | 220 | 0xDC | 0x2584 | Lower half block |
| П | 221 | 0xDD | 0x041F | Cyrillic capital letter PE |
| я | 222 | 0xDE | 0x044F | Cyrillic small letter ya |
| ▀ | 223 | 0xDF | 0x2580 | Upper half block |
| Я | 224 | 0xE0 | 0x042F | Cyrillic capital letter YA |
| р | 225 | 0xE1 | 0x0440 | Cyrillic small letter er |
| Р | 226 | 0xE2 | 0x0420 | Cyrillic capital letter ER |
| с | 227 | 0xE3 | 0x0441 | Cyrillic small letter es |
| С | 228 | 0xE4 | 0x0421 | Cyrillic capital letter ES |
| т | 229 | 0xE5 | 0x0442 | Cyrillic small letter te |
| Т | 230 | 0xE6 | 0x0422 | Cyrillic capital letter TE |
| у | 231 | 0xE7 | 0x0443 | Cyrillic small letter u |
| У | 232 | 0xE8 | 0x0423 | Cyrillic capital letter U |
| ж | 233 | 0xE9 | 0x0436 | Cyrillic small letter zhe |
| Ж | 234 | 0xEA | 0x0416 | Cyrillic capital letter ZHE |
| в | 235 | 0xEB | 0x0432 | Cyrillic small letter ve |
| В | 236 | 0xEC | 0x0412 | Cyrillic capital letter VE |
| ь | 237 | 0xED | 0x044C | Cyrillic small letter soft sign |
| Ь | 238 | 0xEE | 0x042C | Cyrillic capital letter SOFT SIGN |
| № | 239 | 0xEF | 0x2116 | Numero sign |
| - | 240 | 0xF0 | 0x00AD | Soft hyphen |
| ы | 241 | 0xF1 | 0x044B | Cyrillic small letter yeru |
| Ы | 242 | 0xF2 | 0x042B | Cyrillic capital letter YERU |
| з | 243 | 0xF3 | 0x0437 | Cyrillic small letter ze |
| З | 244 | 0xF4 | 0x0417 | Cyrillic capital letter ZE |
| ш | 245 | 0xF5 | 0x0448 | Cyrillic small letter sha |
| Ш | 246 | 0xF6 | 0x0428 | Cyrillic capital letter SHA |
| э | 247 | 0xF7 | 0x044D | Cyrillic small letter e |
| Э | 248 | 0xF8 | 0x042D | Cyrillic capital letter E |
| щ | 249 | 0xF9 | 0x0449 | Cyrillic small letter shcha |
| Щ | 250 | 0xFA | 0x0429 | Cyrillic capital letter SHCHA |
| ч | 251 | 0xFB | 0x0447 | Cyrillic small letter che |
| Ч | 252 | 0xFC | 0x0427 | Cyrillic capital letter CHE |
| § | 253 | 0xFD | 0x00A7 | Section sign |
| ■ | 254 | 0xFE | 0x25A0 | Black square |
|  | 255 | 0xFF | 0x00A0 | No-break space |

# MS-DOS Turkish Character Set

# NASC 857

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| | | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# MS-DOS Turkish Character Set, cont.          NASC 857

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
| Ç | 128 | 0x80 | 0x00C7 | Latin capital letter C with cedilla |
| ü | 129 | 0x81 | 0x00FC | Latin small letter u with diaeresis |
| é | 130 | 0x82 | 0x00E9 | Latin small letter e with acute |
| â | 131 | 0x83 | 0x00E2 | Latin small letter a with circumflex |
| ä | 132 | 0x84 | 0x00E4 | Latin small letter a with diaeresis |
| à | 133 | 0x85 | 0x00E0 | Latin small letter a with grave |
| å | 134 | 0x86 | 0x00E5 | Latin small letter a with ring above |
| ç | 135 | 0x87 | 0x00E7 | Latin small letter c with cedilla |
| ê | 136 | 0x88 | 0x00EA | Latin small letter e with circumflex |
| ë | 137 | 0x89 | 0x00EB | Latin small letter e with diaeresis |
| è | 138 | 0x8A | 0x00E8 | Latin small letter e with grave |
| ï | 139 | 0x8B | 0x00EF | Latin small letter i with diaeresis |
| î | 140 | 0x8C | 0x00EE | Latin small letter i with circumflex |
| ı | 141 | 0x8D | 0x0131 | Latin small letter dotless i |
| Ä | 142 | 0x8E | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 143 | 0x8F | 0x00C5 | Latin capital letter A with ring above |
| É | 144 | 0x90 | 0x00C9 | Latin capital letter E with acute |
| æ | 145 | 0x91 | 0x00E6 | Latin small ligature ae |
| Æ | 146 | 0x92 | 0x00C6 | Latin capital ligature AE |
| ô | 147 | 0x93 | 0x00F4 | Latin small letter o with circumflex |
| ö | 148 | 0x94 | 0x00F6 | Latin small letter o with diaeresis |
| ò | 149 | 0x95 | 0x00F2 | Latin small letter o with grave |
| û | 150 | 0x96 | 0x00FB | Latin small letter u with circumflex |
| ù | 151 | 0x97 | 0x00F9 | Latin small letter u with grave |
| İ | 152 | 0x98 | 0x0130 | Latin capital letter I with dot above |
| Ö | 153 | 0x99 | 0x00D6 | Latin capital letter O with diaeresis |
| Ü | 154 | 0x9A | 0x00DC | Latin capital letter U with diaeresis |
| ø | 155 | 0x9B | 0x00F8 | Latin small letter o with stroke |
| £ | 156 | 0x9C | 0x00A3 | Pound sign |
| Ø | 157 | 0x9D | 0x00D8 | Latin capital letter O with stroke |
| Ş | 158 | 0x9E | 0x015E | Latin capital letter S with cedilla |
| ş | 159 | 0x9F | 0x015F | Latin small letter s with cedilla |
| á | 160 | 0xA0 | 0x00E1 | Latin small letter a with acute |
| í | 161 | 0xA1 | 0x00ED | Latin small letter i with acute |
| ó | 162 | 0xA2 | 0x00F3 | Latin small letter o with acute |
| ú | 163 | 0xA3 | 0x00FA | Latin small letter u with acute |
| ñ | 164 | 0xA4 | 0x00F1 | Latin small letter n with tilde |
| Ñ | 165 | 0xA5 | 0x00D1 | Latin capital letter N with tilde |
| Ğ | 166 | 0xA6 | 0x011E | Latin capital letter G with breve |
| ğ | 167 | 0xA7 | 0x011F | Latin small letter g with breve |
| ¿ | 168 | 0xA8 | 0x00BF | Inverted question mark |
| ® | 169 | 0xA9 | 0x00AE | Registered sign |
| ¬ | 170 | 0xAA | 0x00AC | Not sign |
| ½ | 171 | 0xAB | 0x00BD | Vulgar fraction one half |
| ¼ | 172 | 0xAC | 0x00BC | Vulgar fraction one quarter |
| ¡ | 173 | 0xAD | 0x00A1 | Inverted exclamation sign |
| « | 174 | 0xAE | 0x00AB | Left-pointing double angle quotation mark |
| » | 175 | 0xAF | 0x00BB | Right-pointing double angle quotation mark |
| ▒ | 176 | 0xB0 | 0x2591 | Light shade |
| ▓ | 177 | 0xB1 | 0x2592 | Medium shade |
| ▓ | 178 | 0xB2 | 0x2593 | Dark shade |
| │ | 179 | 0xB3 | 0x2502 | Box drawings light vertical |
| ┤ | 180 | 0xB4 | 0x2524 | Box drawings light vertical and left |
| Á | 181 | 0xB5 | 0x00C1 | Latin capital letter A with acute |
| Â | 182 | 0xB6 | 0x00C2 | Latin capital letter A with circumflex |
| À | 183 | 0xB7 | 0x00C0 | Latin capital letter A with grave |
| © | 184 | 0xB8 | 0x00A9 | Copyright sign |
| ╣ | 185 | 0xB9 | 0x2563 | Box drawings double vertical and left |
| ║ | 186 | 0xBA | 0x2551 | Box drawings double vertical |
| ╗ | 187 | 0xBB | 0x2557 | Box drawings double down and left |
| ╝ | 188 | 0xBC | 0x255D | Box drawings double up and left |
| ¢ | 189 | 0xBD | 0x00A2 | Cent sign |
| ¥ | 190 | 0xBE | 0x00A5 | Yen sign |
| ┐ | 191 | 0xBF | 0x2510 | Box drawings light down and left |
| └ | 192 | 0xC0 | 0x2514 | Box drawings light up and right |
| ┴ | 193 | 0xC1 | 0x2534 | Box drawings light up and horizontal |
| ┬ | 194 | 0xC2 | 0x252C | Box drawings light down and horizontal |
| ├ | 195 | 0xC3 | 0x251C | Box drawings light vertical and right |
| ─ | 196 | 0xC4 | 0x2500 | Box drawings light horizontal |
| ┼ | 197 | 0xC5 | 0x253C | Box drawings light vertical and horizontal |
| ã | 198 | 0xC6 | 0x00E3 | Latin small letter a with tilde |
| Ã | 199 | 0xC7 | 0x00C3 | Latin capital letter A with tilde |
| ╚ | 200 | 0xC8 | 0x255A | Box drawings double up and right |
| ╔ | 201 | 0xC9 | 0x2554 | Box drawings double down and right |
| ╩ | 202 | 0xCA | 0x2569 | Box drawings double up and horizontal |
| ╦ | 203 | 0xCB | 0x2566 | Box drawings double down and horizontal |
| ╠ | 204 | 0xCC | 0x2560 | Box drawings double vertical and right |
| ═ | 205 | 0xCD | 0x2550 | Box drawings double horizontal |
| ╬ | 206 | 0xCE | 0x256C | Box drawings double vertical and horizontal |
| ¤ | 207 | 0xCF | 0x00A4 | Currency sign |
| º | 208 | 0xD0 | 0x00BA | Masculine ordinal indicator |
| ª | 209 | 0xD1 | 0x00AA | Feminine ordinal indicator |
| Ê | 210 | 0xD2 | 0x00CA | Latin capital letter E with circumflex |
| Ë | 211 | 0xD3 | 0x00CB | Latin capital letter E with diaeresis |
| È | 212 | 0xD4 | 0x00C8 | Latin capital letter E with grave |
|  | 213 | 0xD5 | 0x0000 | Undefined |
| Í | 214 | 0xD6 | 0x00CD | Latin capital letter I with acute |
| Î | 215 | 0xD7 | 0x00CE | Latin capital letter I with circumflex |
| Ï | 216 | 0xD8 | 0x00CF | Latin capital letter I with diaeresis |
| ┘ | 217 | 0xD9 | 0x2518 | Box drawings light up and left |
| ┌ | 218 | 0xDA | 0x250C | Box drawings light down and right |
| █ | 219 | 0xDB | 0x2588 | Full block |
| ▄ | 220 | 0xDC | 0x2584 | Lower half block |
| ¦ | 221 | 0xDD | 0x00A6 | Broken bar |
| Ì | 222 | 0xDE | 0x00CC | Latin capital letter I with grave |
| ▀ | 223 | 0xDF | 0x2580 | Upper half block |
| Ó | 224 | 0xE0 | 0x00D3 | Latin capital letter O with acute |
| ß | 225 | 0xE1 | 0x00DF | Latin small letter sharp s |
| Ô | 226 | 0xE2 | 0x00D4 | Latin capital letter O with circumflex |
| Ò | 227 | 0xE3 | 0x00D2 | Latin capital letter O with grave |
| õ | 228 | 0xE4 | 0x00F5 | Latin small letter o with tilde |
| Õ | 229 | 0xE5 | 0x00D5 | Latin capital letter O with tilde |
| µ | 230 | 0xE6 | 0x00B5 | Micro sign |
|  | 231 | 0xE7 | 0x0000 | Undefined |
| × | 232 | 0xE8 | 0x00D7 | Multiplication sign |
| Ú | 233 | 0xE9 | 0x00DA | Latin capital letter U with acute |
| Û | 234 | 0xEA | 0x00DB | Latin capital letter U with circumflex |
| Ù | 235 | 0xEB | 0x00D9 | Latin capital letter U with grave |
| ì | 236 | 0xEC | 0x00EC | Latin small letter i with grave |
| ÿ | 237 | 0xED | 0x00FF | Latin small letter y with diaeresis |
| ¯ | 238 | 0xEE | 0x00AF | Macron |
| ´ | 239 | 0xEF | 0x00B4 | Acute accent |
| - | 240 | 0xF0 | 0x00AD | Soft hyphen |
| ± | 241 | 0xF1 | 0x00B1 | Plus-minus sign |
|  | 242 | 0xF2 | 0x0000 | Undefined |
| ¾ | 243 | 0xF3 | 0x00BE | Vulgar fraction three quarters |
| ¶ | 244 | 0xF4 | 0x00B6 | Pilcrow sign |
| § | 245 | 0xF5 | 0x00A7 | Section sign |
| ÷ | 246 | 0xF6 | 0x00F7 | Division sign |
| ¸ | 247 | 0xF7 | 0x00B8 | Cedilla |
| ° | 248 | 0xF8 | 0x00B0 | Degree sign |
| ¨ | 249 | 0xF9 | 0x00A8 | Diaeresis |
| · | 250 | 0xFA | 0x00B7 | Middle dot |
| ¹ | 251 | 0xFB | 0x00B9 | Superscript one |
| ³ | 252 | 0xFC | 0x00B3 | Superscript three |
| ² | 253 | 0xFD | 0x00B2 | Superscript two |
| ■ | 254 | 0xFE | 0x25A0 | Black square |
|  | 255 | 0xFF | 0x00A0 | No-break space |

# Windows Latin 2 Character Set <span style="float:right">NASC 1250</span>

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null |
| | 001 | 0x01 | 0x0001 | Start of heading |
| | 002 | 0x02 | 0x0002 | Start of text |
| | 003 | 0x03 | 0x0003 | End of text |
| | 004 | 0x04 | 0x0004 | End of transmission |
| | 005 | 0x05 | 0x0005 | Enquiry |
| | 006 | 0x06 | 0x0006 | Acknowledge |
| | 007 | 0x07 | 0x0007 | Bell |
| | 008 | 0x08 | 0x0008 | Backspace |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation |
| | 010 | 0x0A | 0x000A | Line feed |
| | 011 | 0x0B | 0x000B | Vertical tabulation |
| | 012 | 0x0C | 0x000C | Form feed |
| | 013 | 0x0D | 0x000D | Carriage return |
| | 014 | 0x0E | 0x000E | Shift out |
| | 015 | 0x0F | 0x000F | Shift in |
| | 016 | 0x10 | 0x0010 | Data link escape |
| | 017 | 0x11 | 0x0011 | Device control one |
| | 018 | 0x12 | 0x0012 | Device control two |
| | 019 | 0x13 | 0x0013 | Device control three |
| | 020 | 0x14 | 0x0014 | Device control four |
| | 021 | 0x15 | 0x0015 | Negative acknowledge |
| | 022 | 0x16 | 0x0016 | Synchronous idle |
| | 023 | 0x17 | 0x0017 | End of transmission block |
| | 024 | 0x18 | 0x0018 | Cancel |
| | 025 | 0x19 | 0x0019 | End of medium |
| | 026 | 0x1A | 0x001A | Substitute |
| | 027 | 0x1B | 0x001B | Escape |
| | 028 | 0x1C | 0x001C | File separator |
| | 029 | 0x1D | 0x001D | Group separator |
| | 030 | 0x1E | 0x001E | Record separator |
| | 031 | 0x1F | 0x001F | Unit separator |
| | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
| | 127 | 0x7F | 0x007F | Delete |

# Windows Latin 2 Character Set, cont.                    NASC 1250

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
| □ | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| □ | 131 | 0x83 | 0x0000 | Undefined |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
| □ | 136 | 0x88 | 0x0000 | Undefined |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
| Š | 138 | 0x8A | 0x0160 | Latin capital letter S with caron |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
| Ś | 140 | 0x8C | 0x015A | Latin capital letter S with acute |
| Ť | 141 | 0x8D | 0x0164 | Latin capital letter T with caron |
| Ž | 142 | 0x8E | 0x017D | Latin capital letter Z with caron |
| Ź | 143 | 0x8F | 0x0179 | Latin capital letter Z with acute |
| □ | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
| □ | 152 | 0x98 | 0x0000 | Undefined |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
| š | 154 | 0x9A | 0x0161 | Latin small letter s with caron |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
| ś | 156 | 0x9C | 0x015B | Latin small letter s with acute |
| ť | 157 | 0x9D | 0x0165 | Latin small letter t with caron |
| ž | 158 | 0x9E | 0x017E | Latin small letter z with caron |
| ź | 159 | 0x9F | 0x017A | Latin small letter z with acute |
|   | 160 | 0xA0 | 0x00A0 | No-break space |
| ˇ | 161 | 0xA1 | 0x02C7 | Caron |
| ˘ | 162 | 0xA2 | 0x02D8 | Breve |
| Ł | 163 | 0xA3 | 0x0141 | Latin capital letter L with stroke |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| Ą | 165 | 0xA5 | 0x0104 | Latin capital letter A with ogonek |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| ¨ | 168 | 0xA8 | 0x00A8 | Diaeresis |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| Ş | 170 | 0xAA | 0x015E | Latin capital letter S with cedilla |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| Ż | 175 | 0xAF | 0x017B | Latin capital letter Z with dot above |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ˛ | 178 | 0xB2 | 0x02DB | Ogonek |
| ł | 179 | 0xB3 | 0x0142 | Latin small letter l with stroke |
| ´ | 180 | 0xB4 | 0x00B4 | Acute accent |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ¸ | 184 | 0xB8 | 0x00B8 | Cedilla |
| ą | 185 | 0xB9 | 0x0105 | Latin small letter a with ogonek |
| ş | 186 | 0xBA | 0x015F | Latin small letter s with cedilla |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| Ľ | 188 | 0xBC | 0x013D | Latin capital letter L with caron |
| ˝ | 189 | 0xBD | 0x02DD | Double acute accent |
| ľ | 190 | 0xBE | 0x013E | Latin small letter l with caron |
| ż | 191 | 0xBF | 0x017C | Latin small letter z with dot above |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ŕ | 192 | 0xC0 | 0x0154 | Latin capital letter R with acute |
| Á | 193 | 0xC1 | 0x00C1 | Latin capital letter A with acute |
| Â | 194 | 0xC2 | 0x00C2 | Latin capital letter A with circumflex |
| Ă | 195 | 0xC3 | 0x0102 | Latin capital letter A with breve |
| Ä | 196 | 0xC4 | 0x00C4 | Latin capital letter A with diaeresis |
| Ĺ | 197 | 0xC5 | 0x0139 | Latin capital letter L with acute |
| Ć | 198 | 0xC6 | 0x0106 | Latin capital letter C with acute |
| Ç | 199 | 0xC7 | 0x00C7 | Latin capital letter C with cedilla |
| Č | 200 | 0xC8 | 0x010C | Latin capital letter C with caron |
| É | 201 | 0xC9 | 0x00C9 | Latin capital letter E with acute |
| Ę | 202 | 0xCA | 0x0118 | Latin capital letter E with ogonek |
| Ë | 203 | 0xCB | 0x00CB | Latin capital letter E with diaeresis |
| Ě | 204 | 0xCC | 0x011A | Latin capital letter E with caron |
| Í | 205 | 0xCD | 0x00CD | Latin capital letter I with acute |
| Î | 206 | 0xCE | 0x00CE | Latin capital letter I with circumflex |
| Ď | 207 | 0xCF | 0x010E | Latin capital letter D with caron |
| Đ | 208 | 0xD0 | 0x0110 | Latin capital letter D with stroke |
| Ń | 209 | 0xD1 | 0x0143 | Latin capital letter N with acute |
| Ň | 210 | 0xD2 | 0x0147 | Latin capital letter N with caron |
| Ó | 211 | 0xD3 | 0x00D3 | Latin capital letter O with acute |
| Ô | 212 | 0xD4 | 0x00D4 | Latin capital letter O with circumflex |
| Ő | 213 | 0xD5 | 0x0150 | Latin capital letter O with double acute |
| Ö | 214 | 0xD6 | 0x00D6 | Latin capital letter O with diaeresis |
| × | 215 | 0xD7 | 0x00D7 | Multiplication sign |
| Ř | 216 | 0xD8 | 0x0158 | Latin capital letter R with caron |
| Ů | 217 | 0xD9 | 0x016E | Latin capital letter U with ring above |
| Ú | 218 | 0xDA | 0x00DA | Latin capital letter U with acute |
| Ű | 219 | 0xDB | 0x0170 | Latin capital letter U with double acute |
| Ü | 220 | 0xDC | 0x00DC | Latin capital letter U with diaeresis |
| Ý | 221 | 0xDD | 0x00DD | Latin capital letter Y with acute |
| Ţ | 222 | 0xDE | 0x0162 | Latin capital letter T with cedilla |
| ß | 223 | 0xDF | 0x00DF | Latin small letter sharp s |
| ŕ | 224 | 0xE0 | 0x0155 | Latin small letter r with acute |
| á | 225 | 0xE1 | 0x00E1 | Latin small letter a with acute |
| â | 226 | 0xE2 | 0x00E2 | Latin small letter a with circumflex |
| ă | 227 | 0xE3 | 0x0103 | Latin small letter a with breve |
| ä | 228 | 0xE4 | 0x00E4 | Latin small letter a with diaeresis |
| ĺ | 229 | 0xE5 | 0x013A | Latin small letter l with acute |
| ć | 230 | 0xE6 | 0x0107 | Latin small letter c with acute |
| ç | 231 | 0xE7 | 0x00E7 | Latin small letter c with cedilla |
| č | 232 | 0xE8 | 0x010D | Latin small letter c with caron |
| é | 233 | 0xE9 | 0x00E9 | Latin small letter e with acute |
| ę | 234 | 0xEA | 0x0119 | Latin small letter e with ogonek |
| ë | 235 | 0xEB | 0x00EB | Latin small letter e with diaeresis |
| ě | 236 | 0xEC | 0x011B | Latin small letter e with caron |
| í | 237 | 0xED | 0x00ED | Latin small letter i with acute |
| î | 238 | 0xEE | 0x00EE | Latin small letter i with circumflex |
| ď | 239 | 0xEF | 0x010F | Latin small letter d with caron |
| đ | 240 | 0xF0 | 0x0111 | Latin small letter d with stroke |
| ń | 241 | 0xF1 | 0x0144 | Latin small letter n with acute |
| ň | 242 | 0xF2 | 0x0148 | Latin small letter n with caron |
| ó | 243 | 0xF3 | 0x00F3 | Latin small letter o with acute |
| ô | 244 | 0xF4 | 0x00F4 | Latin small letter o with circumflex |
| ő | 245 | 0xF5 | 0x0151 | Latin small letter o with double acute |
| ö | 246 | 0xF6 | 0x00F6 | Latin small letter o with diaeresis |
| ÷ | 247 | 0xF7 | 0x00F7 | Division sign |
| ř | 248 | 0xF8 | 0x0159 | Latin small letter r with caron |
| ů | 249 | 0xF9 | 0x016F | Latin small letter u with ring above |
| ú | 250 | 0xFA | 0x00FA | Latin small letter u with acute |
| ű | 251 | 0xFB | 0x0171 | Latin small letter u with double acute |
| ü | 252 | 0xFC | 0x00FC | Latin small letter u with diaeresis |
| ý | 253 | 0xFD | 0x00FD | Latin small letter y with acute |
| ţ | 254 | 0xFE | 0x0163 | Latin small letter t with cedilla |
| ˙ | 255 | 0xFF | 0x02D9 | Dot above |

# Windows Cyrillic Character Set                    NASC 1251

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| | | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# Windows Cyrillic Character Set, cont. NASC 1251

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ђ | 128 | 0x80 | 0x0402 | Cyrillic capital letter DJE |
| Ѓ | 129 | 0x81 | 0x0403 | Cyrillic capital letter GJE |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| ѓ | 131 | 0x83 | 0x0453 | Cyrillic small letter gje |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
| € | 136 | 0x88 | 0x20AC | Euro sign |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
| Љ | 138 | 0x8A | 0x0409 | Cyrillic capital letter LJE |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
| Њ | 140 | 0x8C | 0x040A | Cyrillic capital letter NJE |
| Ќ | 141 | 0x8D | 0x040C | Cyrillic capital letter KJE |
| Ћ | 142 | 0x8E | 0x040B | Cyrillic capital letter TSHE |
| Џ | 143 | 0x8F | 0x040F | Cyrillic capital letter DZHE |
| ђ | 144 | 0x90 | 0x0452 | Cyrillic small letter dje |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
| □ | 152 | 0x98 | 0x0000 | Undefined |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
| љ | 154 | 0x9A | 0x0459 | Cyrillic small letter lje |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
| њ | 156 | 0x9C | 0x045A | Cyrillic small letter nje |
| ќ | 157 | 0x9D | 0x045C | Cyrillic small letter kje |
| ћ | 158 | 0x9E | 0x045B | Cyrillic small letter tshe |
| џ | 159 | 0x9F | 0x045F | Cyrillic small letter dzhe |
|   | 160 | 0xA0 | 0x00A0 | No-break space |
| Ў | 161 | 0xA1 | 0x040E | Cyrillic capital letter short U |
| ў | 162 | 0xA2 | 0x045E | Cyrillic small letter short U |
| Ј | 163 | 0xA3 | 0x0408 | Cyrillic capital letter JE |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| Ґ | 165 | 0xA5 | 0x0490 | Cyrillic capital letter GHE with upturn |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| Ё | 168 | 0xA8 | 0x0401 | Cyrillic capital letter IO |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| Є | 170 | 0xAA | 0x0404 | Cyrillic capital letter Ukrainian IE |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| Ї | 175 | 0xAF | 0x0407 | Cyrillic capital letter YI |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| I | 178 | 0xB2 | 0x0406 | Cyrillic capital letter Byelorussian-Ukrainian I |
| і | 179 | 0xB3 | 0x0456 | Cyrillic small letter Byelorussian-Ukrainian I |
| ґ | 180 | 0xB4 | 0x0491 | Cyrillic small letter ghe with upturn |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ё | 184 | 0xB8 | 0x0451 | Cyrillic small letter io |
| № | 185 | 0xB9 | 0x2116 | Numero sign |
| є | 186 | 0xBA | 0x0454 | Cyrillic small letter Ukrainian ie |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| ј | 188 | 0xBC | 0x0458 | Cyrillic small letter je |
| Ѕ | 189 | 0xBD | 0x0405 | Cyrillic capital letter DZE |
| ѕ | 190 | 0xBE | 0x0455 | Cyrillic small leter dze |
| ї | 191 | 0xBF | 0x0457 | Cyrillic small letter yi |
| А | 192 | 0xC0 | 0x0410 | Cyrillic capital letter A |
| Б | 193 | 0xC1 | 0x0411 | Cyrillic capital letter BE |
| В | 194 | 0xC2 | 0x0412 | Cyrillic capital letter VE |
| Г | 195 | 0xC3 | 0x0413 | Cyrillic capital letter GHE |
| Д | 196 | 0xC4 | 0x0414 | Cyrillic capital letter DE |
| Е | 197 | 0xC5 | 0x0415 | Cyrillic capital letter IE |
| Ж | 198 | 0xC6 | 0x0416 | Cyrillic capital letter ZHE |
| З | 199 | 0xC7 | 0x0417 | Cyrillic capital letter ZE |
| И | 200 | 0xC8 | 0x0418 | Cyrillic capital letter I |
| Й | 201 | 0xC9 | 0x0419 | Cyrillic capital letter SHORT I |
| К | 202 | 0xCA | 0x041A | Cyrillic capital letter KA |
| Л | 203 | 0xCB | 0x041B | Cyrillic capital letter EL |
| М | 204 | 0xCC | 0x041C | Cyrillic capital letter EM |
| Н | 205 | 0xCD | 0x041D | Cyrillic capital letter EN |
| О | 206 | 0xCE | 0x041E | Cyrillic capital letter O |
| П | 207 | 0xCF | 0x041F | Cyrillic capital letter PE |
| Р | 208 | 0xD0 | 0x0420 | Cyrillic capital letter ER |
| С | 209 | 0xD1 | 0x0421 | Cyrillic capital letter ES |
| Т | 210 | 0xD2 | 0x0422 | Cyrillic capital letter TE |
| У | 211 | 0xD3 | 0x0423 | Cyrillic capital letter U |
| Ф | 212 | 0xD4 | 0x0424 | Cyrillic capital letter EF |
| Х | 213 | 0xD5 | 0x0425 | Cyrillic capital letter HA |
| Ц | 214 | 0xD6 | 0x0426 | Cyrillic capital letter TSE |
| Ч | 215 | 0xD7 | 0x0427 | Cyrillic capital letter CHE |
| Ш | 216 | 0xD8 | 0x0428 | Cyrillic capital letter SHA |
| Щ | 217 | 0xD9 | 0x0429 | Cyrillic capital letter SHCHA |
| Ъ | 218 | 0xDA | 0x042A | Cyrillic capital letter HARD SIGN |
| Ы | 219 | 0xDB | 0x042B | Cyrillic capital letter YERU |
| Ь | 220 | 0xDC | 0x042C | Cyrillic capital letter SOFT SIGN |
| Э | 221 | 0xDD | 0x042D | Cyrillic capital letter E |
| Ю | 222 | 0xDE | 0x042E | Cyrillic capital letter YU |
| Я | 223 | 0xDF | 0x042F | Cyrillic capital letter YA |
| а | 224 | 0xE0 | 0x0430 | Cyrillic small letter a |
| б | 225 | 0xE1 | 0x0431 | Cyrillic small letter be |
| в | 226 | 0xE2 | 0x0432 | Cyrillic small letter ve |
| г | 227 | 0xE3 | 0x0433 | Cyrillic small letter ghe |
| д | 228 | 0xE4 | 0x0434 | Cyrillic small letter de |
| е | 229 | 0xE5 | 0x0435 | Cyrillic small letter ie |
| ж | 230 | 0xE6 | 0x0436 | Cyrillic small letter zhe |
| з | 231 | 0xE7 | 0x0437 | Cyrillic small letter ze |
| и | 232 | 0xE8 | 0x0438 | Cyrillic small letter i |
| й | 233 | 0xE9 | 0x0439 | Cyrillic small letter short i |
| к | 234 | 0xEA | 0x043A | Cyrillic small letter ka |
| л | 235 | 0xEB | 0x043B | Cyrillic small letter el |
| м | 236 | 0xEC | 0x043C | Cyrillic small letter em |
| н | 237 | 0xED | 0x043D | Cyrillic small letter en |
| о | 238 | 0xEE | 0x043E | Cyrillic small letter o |
| п | 239 | 0xEF | 0x043F | Cyrillic small letter pe |
| р | 240 | 0xF0 | 0x0440 | Cyrillic small letter er |
| с | 241 | 0xF1 | 0x0441 | Cyrillic small letter es |
| т | 242 | 0xF2 | 0x0442 | Cyrillic small letter te |
| у | 243 | 0xF3 | 0x0443 | Cyrillic small letter u |
| ф | 244 | 0xF4 | 0x0444 | Cyrillic small letter ef |
| х | 245 | 0xF5 | 0x0445 | Cyrillic small letter ha |
| ц | 246 | 0xF6 | 0x0446 | Cyrillic small letter tse |
| ч | 247 | 0xF7 | 0x0447 | Cyrillic small letter che |
| ш | 248 | 0xF8 | 0x0448 | Cyrillic small letter sha |
| щ | 249 | 0xF9 | 0x0449 | Cyrillic small letter shcha |
| ъ | 250 | 0xFA | 0x044A | Cyrillic small letter hard sign |
| ы | 251 | 0xFB | 0x044B | Cyrillic small letter yeru |
| ь | 252 | 0xFC | 0x044C | Cyrillic small letter soft sign |
| э | 253 | 0xFD | 0x044D | Cyrillic small letter e |
| ю | 254 | 0xFE | 0x044E | Cyrillic small letter yu |
| я | 255 | 0xFF | 0x044F | Cyrillic small letter ya |

# Windows Latin 1 Character Set NASC 1252

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null | @ | 064 | 0x40 | 0x0040 | Commercial at |
| | 001 | 0x01 | 0x0001 | Start of heading | A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| | 002 | 0x02 | 0x0002 | Start of text | B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| | 003 | 0x03 | 0x0003 | End of text | C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| | 004 | 0x04 | 0x0004 | End of transmission | D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| | 005 | 0x05 | 0x0005 | Enquiry | E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| | 006 | 0x06 | 0x0006 | Acknowledge | F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| | 007 | 0x07 | 0x0007 | Bell | G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| | 008 | 0x08 | 0x0008 | Backspace | H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation | I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| | 010 | 0x0A | 0x000A | Line feed | J | 074 | 0x4A | 0x004A | Latin capital letter J |
| | 011 | 0x0B | 0x000B | Vertical tabulation | K | 075 | 0x4B | 0x004B | Latin capital letter K |
| | 012 | 0x0C | 0x000C | Form feed | L | 076 | 0x4C | 0x004C | Latin capital letter L |
| | 013 | 0x0D | 0x000D | Carriage return | M | 077 | 0x4D | 0x004D | Latin capital letter M |
| | 014 | 0x0E | 0x000E | Shift out | N | 078 | 0x4E | 0x004E | Latin capital letter N |
| | 015 | 0x0F | 0x000F | Shift in | O | 079 | 0x4F | 0x004F | Latin capital letter O |
| | 016 | 0x10 | 0x0010 | Data link escape | P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| | 017 | 0x11 | 0x0011 | Device control one | Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| | 018 | 0x12 | 0x0012 | Device control two | R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| | 019 | 0x13 | 0x0013 | Device control three | S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| | 020 | 0x14 | 0x0014 | Device control four | T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| | 021 | 0x15 | 0x0015 | Negative acknowledge | U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| | 022 | 0x16 | 0x0016 | Synchronous idle | V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| | 023 | 0x17 | 0x0017 | End of transmission block | W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| | 024 | 0x18 | 0x0018 | Cancel | X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| | 025 | 0x19 | 0x0019 | End of medium | Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| | 026 | 0x1A | 0x001A | Substitute | Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| | 027 | 0x1B | 0x001B | Escape | [ | 091 | 0x5B | 0x005B | Left square bracket |
| | 028 | 0x1C | 0x001C | File separator | \ | 092 | 0x5C | 0x005C | Reverse solidus |
| | 029 | 0x1D | 0x001D | Group separator | ] | 093 | 0x5D | 0x005D | Right square bracket |
| | 030 | 0x1E | 0x001E | Record separator | ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| | 031 | 0x1F | 0x001F | Unit separator | _ | 095 | 0x5F | 0x005F | Low line |
| | 032 | 0x20 | 0x0020 | Space | ` | 096 | 0x60 | 0x0060 | Grave accent |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark | a | 097 | 0x61 | 0x0061 | Latin small letter a |
| " | 034 | 0x22 | 0x0022 | Quotation mark | b | 098 | 0x62 | 0x0062 | Latin small letter b |
| # | 035 | 0x23 | 0x0023 | Number sign | c | 099 | 0x63 | 0x0063 | Latin small letter c |
| $ | 036 | 0x24 | 0x0024 | Dollar sign | d | 100 | 0x64 | 0x0064 | Latin small letter d |
| % | 037 | 0x25 | 0x0025 | Percent sign | e | 101 | 0x65 | 0x0065 | Latin small letter e |
| & | 038 | 0x26 | 0x0026 | Ampersand | f | 102 | 0x66 | 0x0066 | Latin small letter f |
| ' | 039 | 0x27 | 0x0027 | Apostrophe | g | 103 | 0x67 | 0x0067 | Latin small letter g |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis | h | 104 | 0x68 | 0x0068 | Latin small letter h |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis | i | 105 | 0x69 | 0x0069 | Latin small letter i |
| * | 042 | 0x2A | 0x002A | Asterisk | j | 106 | 0x6A | 0x006A | Latin small letter j |
| + | 043 | 0x2B | 0x002B | Plus sign | k | 107 | 0x6B | 0x006B | Latin small letter k |
| , | 044 | 0x2C | 0x002C | Comma | l | 108 | 0x6C | 0x006C | Latin small letter l |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus | m | 109 | 0x6D | 0x006D | Latin small letter m |
| . | 046 | 0x2E | 0x002E | Full stop | n | 110 | 0x6E | 0x006E | Latin small letter n |
| / | 047 | 0x2F | 0x002F | Solidus | o | 111 | 0x6F | 0x006F | Latin small letter o |
| 0 | 048 | 0x30 | 0x0030 | Digit zero | p | 112 | 0x70 | 0x0070 | Latin small letter p |
| 1 | 049 | 0x31 | 0x0031 | Digit one | q | 113 | 0x71 | 0x0071 | Latin small letter q |
| 2 | 050 | 0x32 | 0x0032 | Digit two | r | 114 | 0x72 | 0x0072 | Latin small letter r |
| 3 | 051 | 0x33 | 0x0033 | Digit three | s | 115 | 0x73 | 0x0073 | Latin small letter s |
| 4 | 052 | 0x34 | 0x0034 | Digit four | t | 116 | 0x74 | 0x0074 | Latin small letter t |
| 5 | 053 | 0x35 | 0x0035 | Digit five | u | 117 | 0x75 | 0x0075 | Latin small letter u |
| 6 | 054 | 0x36 | 0x0036 | Digit six | v | 118 | 0x76 | 0x0076 | Latin small letter v |
| 7 | 055 | 0x37 | 0x0037 | Digit seven | w | 119 | 0x77 | 0x0077 | Latin small letter w |
| 8 | 056 | 0x38 | 0x0038 | Digit eight | x | 120 | 0x78 | 0x0078 | Latin small letter x |
| 9 | 057 | 0x39 | 0x0039 | Digit nine | y | 121 | 0x79 | 0x0079 | Latin small letter y |
| : | 058 | 0x3A | 0x003A | Colon | z | 122 | 0x7A | 0x007A | Latin small letter z |
| ; | 059 | 0x3B | 0x003B | Semicolon | { | 123 | 0x7B | 0x007B | Left curly bracket |
| < | 060 | 0x3C | 0x003C | Less-than sign | | | 124 | 0x7C | 0x007C | Vertical line |
| = | 061 | 0x3D | 0x003D | Equals sign | } | 125 | 0x7D | 0x007D | Right curly bracket |
| > | 062 | 0x3E | 0x003E | Greater-than sign | ~ | 126 | 0x7E | 0x007E | Tilde |
| ? | 063 | 0x3F | 0x003F | Question mark | | 127 | 0x7F | 0x007F | Delete |

# Windows Latin 1 Character Set, cont.                    NASC 1252

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x20AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| ƒ | 131 | 0x83 | 0x0192 | Latin small letter f with hook |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
| ^ | 136 | 0x88 | 0x02C6 | Modifier letter circumflex accent |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
| Š | 138 | 0x8A | 0x0160 | Latin capital letter S with caron |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
| Œ | 140 | 0x8C | 0x0152 | Latin capital ligature OE |
|  | 141 | 0x8D | 0x0000 | Undefined |
| Ž | 142 | 0x8E | 0x017D | Latin capital letter Z with caron |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
| ~ | 152 | 0x98 | 0x02DC | Small tilde |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
| š | 154 | 0x9A | 0x0161 | Latin small letter s with caron |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
| œ | 156 | 0x9C | 0x0153 | Latin small ligature oe |
|  | 157 | 0x9D | 0x0000 | Undefined |
| ž | 158 | 0x9E | 0x017E | Latin small letter z with caron |
| Ÿ | 159 | 0x9F | 0x0178 | Latin capital letter Y with diaeresis |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| ¡ | 161 | 0xA1 | 0x00A1 | Inverted exclamation mark |
| ¢ | 162 | 0xA2 | 0x00A2 | Cent sign |
| £ | 163 | 0xA3 | 0x00A3 | Pound sign |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| ¥ | 165 | 0xA5 | 0x00A5 | Yen sign |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| ¨ | 168 | 0xA8 | 0x00A8 | Diaeresis |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| ª | 170 | 0xAA | 0x00AA | Feminine ordinal indicator |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| ¯ | 175 | 0xAF | 0x00AF | Macron |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ² | 178 | 0xB2 | 0x00B2 | Superscript 2 |
| ³ | 179 | 0xB3 | 0x00B3 | Superscript 3 |
| ´ | 180 | 0xB4 | 0x00B4 | Acute accent |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ¸ | 184 | 0xB8 | 0x00B8 | Cedilla |
| ¹ | 185 | 0xB9 | 0x00B9 | Superscript one |
| º | 186 | 0xBA | 0x00BA | Masculine ordinal indicator |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| ¼ | 188 | 0xBC | 0x00BC | Vulgar fraction one quarter |
| ½ | 189 | 0xBD | 0x00BD | Vulgar fraction one half |
| ¾ | 190 | 0xBE | 0x00BE | Vulgar fraction three quarters |
| ¿ | 191 | 0xBF | 0x00BF | Inverted question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| À | 192 | 0xC0 | 0x00C0 | Latin capital letter A with grave |
| Á | 193 | 0xC1 | 0x00C1 | Latin capital letter A with acute |
| Â | 194 | 0xC2 | 0x00C2 | Latin capital letter A with circumflex |
| Ã | 195 | 0xC3 | 0x00C3 | Latin capital letter A with tilde |
| Ä | 196 | 0xC4 | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 197 | 0xC5 | 0x00C5 | Latin capital letter A with ring above |
| Æ | 198 | 0xC6 | 0x00C6 | Latin capital letter AE |
| Ç | 199 | 0xC7 | 0x00C7 | Latin capital letter C with cedilla |
| È | 200 | 0xC8 | 0x00C8 | Latin capital letter E with grave |
| É | 201 | 0xC9 | 0x00C9 | Latin capital letter E with acute |
| Ê | 202 | 0xCA | 0x00CA | Latin capital letter E with circumflex |
| Ë | 203 | 0xCB | 0x00CB | Latin capital letter E with diaeresis |
| Ì | 204 | 0xCC | 0x00CC | Latin capital letter I with grave |
| Í | 205 | 0xCD | 0x00CD | Latin capital letter I with acute |
| Î | 206 | 0xCE | 0x00CE | Latin capital letter I with circumflex |
| Ï | 207 | 0xCF | 0x00CF | Latin capital letter I with diaeresis |
| Ð | 208 | 0xD0 | 0x00D0 | Latin capital letter ETH |
| Ñ | 209 | 0xD1 | 0x00D1 | Latin capital letter N with tilde |
| Ò | 210 | 0xD2 | 0x00D2 | Latin capital letter O with grave |
| Ó | 211 | 0xD3 | 0x00D3 | Latin capital letter O with acute |
| Ô | 212 | 0xD4 | 0x00D4 | Latin capital letter O with circumflex |
| Õ | 213 | 0xD5 | 0x00D5 | Latin capital letter O with tilde |
| Ö | 214 | 0xD6 | 0x00D6 | Latin capital letter O with diaeresis |
| × | 215 | 0xD7 | 0x00D7 | Multiplication sign |
| Ø | 216 | 0xD8 | 0x00D8 | Latin capital letter O with stroke |
| Ù | 217 | 0xD9 | 0x00D9 | Latin capital letter U with grave |
| Ú | 218 | 0xDA | 0x00DA | Latin capital letter U with acute |
| Û | 219 | 0xDB | 0x00DB | Latin capital letter U with circumflex |
| Ü | 220 | 0xDC | 0x00DC | Latin capital letter U with diaeresis |
| Ý | 221 | 0xDD | 0x00DD | Latin capital letter Y with acute |
| Þ | 222 | 0xDE | 0x00DE | Latin capital letter THORN |
| ß | 223 | 0xDF | 0x00DF | Latin small letter sharp s |
| à | 224 | 0xE0 | 0x00E0 | Latin small letter a with grave |
| á | 225 | 0xE1 | 0x00E1 | Latin small letter a with acute |
| â | 226 | 0xE2 | 0x00E2 | Latin small letter a with circumflex |
| ã | 227 | 0xE3 | 0x00E3 | Latin small letter a with tilde |
| ä | 228 | 0xE4 | 0x00E4 | Latin small letter a with diaeresis |
| å | 229 | 0xE5 | 0x00E5 | Latin small letter with ring above |
| æ | 230 | 0xE6 | 0x00E6 | Latin small letter AE |
| ç | 231 | 0xE7 | 0x00E7 | Latin small letter c with cedilla |
| è | 232 | 0xE8 | 0x00E8 | Latin small letter e with grave |
| é | 233 | 0xE9 | 0x00E9 | Latin small letter e with acute |
| ê | 234 | 0xEA | 0x00EA | Latin small letter e with circumflex |
| ë | 235 | 0xEB | 0x00EB | Latin small letter e with diaeresis |
| ì | 236 | 0xEC | 0x00EC | Latin small letter i with grave |
| í | 237 | 0xED | 0x00ED | Latin small letter i with acute |
| î | 238 | 0xEE | 0x00EE | Latin small letter i with circumflex |
| ï | 239 | 0xEF | 0x00EF | Latin small letter i with diaeresis |
| ð | 240 | 0xF0 | 0x00F0 | Latin small letter eth |
| ñ | 241 | 0xF1 | 0x00F1 | Latin small letter n with tilde |
| ò | 242 | 0xF2 | 0x00F2 | Latin small letter o with grave |
| ó | 243 | 0xF3 | 0x00F3 | Latin small letter o with acute |
| ô | 244 | 0xF4 | 0x00F4 | Latin small letter o with circumflex |
| õ | 245 | 0xF5 | 0x00F5 | Latin small letter o with tilde |
| ö | 246 | 0xF6 | 0x00F6 | Latin small letter o with diaeresis |
| ÷ | 247 | 0xF7 | 0x00F7 | Division sign |
| ø | 248 | 0xF8 | 0x00F8 | Latin small letter o with stroke |
| ù | 249 | 0xF9 | 0x00F9 | Latin small letter u with grave |
| ú | 250 | 0xFA | 0x00FA | Latin small letter u with acute |
| û | 251 | 0xFB | 0x00FB | Latin small letter u with circumflex |
| ü | 252 | 0xFC | 0x00FC | Latin small letter u with diaeresis |
| ý | 253 | 0xFD | 0x00FD | Latin small letter y with acute |
| þ | 254 | 0xFE | 0x00FE | Latin small letter thorn |
| ÿ | 255 | 0xFF | 0x00FF | Latin small lettery with diaeresis |

# Windows Greek Character Set

<div align="right">

**NASC 1253**

</div>

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name | Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|---|---|---|---|---|
| | 000 | 0x00 | 0x0000 | Null | @ | 064 | 0x40 | 0x0040 | Commercial at |
| | 001 | 0x01 | 0x0001 | Start of heading | A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| | 002 | 0x02 | 0x0002 | Start of text | B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| | 003 | 0x03 | 0x0003 | End of text | C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| | 004 | 0x04 | 0x0004 | End of transmission | D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| | 005 | 0x05 | 0x0005 | Enquiry | E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| | 006 | 0x06 | 0x0006 | Acknowledge | F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| | 007 | 0x07 | 0x0007 | Bell | G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| | 008 | 0x08 | 0x0008 | Backspace | H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| | 009 | 0x09 | 0x0009 | Horizontal tabulation | I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| | 010 | 0x0A | 0x000A | Line feed | J | 074 | 0x4A | 0x004A | Latin capital letter J |
| | 011 | 0x0B | 0x000B | Vertical tabulation | K | 075 | 0x4B | 0x004B | Latin capital letter K |
| | 012 | 0x0C | 0x000C | Form feed | L | 076 | 0x4C | 0x004C | Latin capital letter L |
| | 013 | 0x0D | 0x000D | Carriage return | M | 077 | 0x4D | 0x004D | Latin capital letter M |
| | 014 | 0x0E | 0x000E | Shift out | N | 078 | 0x4E | 0x004E | Latin capital letter N |
| | 015 | 0x0F | 0x000F | Shift in | O | 079 | 0x4F | 0x004F | Latin capital letter O |
| | 016 | 0x10 | 0x0010 | Data link escape | P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| | 017 | 0x11 | 0x0011 | Device control one | Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| | 018 | 0x12 | 0x0012 | Device control two | R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| | 019 | 0x13 | 0x0013 | Device control three | S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| | 020 | 0x14 | 0x0014 | Device control four | T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| | 021 | 0x15 | 0x0015 | Negative acknowledge | U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| | 022 | 0x16 | 0x0016 | Synchronous idle | V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| | 023 | 0x17 | 0x0017 | End of transmission block | W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| | 024 | 0x18 | 0x0018 | Cancel | X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| | 025 | 0x19 | 0x0019 | End of medium | Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| | 026 | 0x1A | 0x001A | Substitute | Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| | 027 | 0x1B | 0x001B | Escape | [ | 091 | 0x5B | 0x005B | Left square bracket |
| | 028 | 0x1C | 0x001C | File separator | \ | 092 | 0x5C | 0x005C | Reverse solidus |
| | 029 | 0x1D | 0x001D | Group separator | ] | 093 | 0x5D | 0x005D | Right square bracket |
| | 030 | 0x1E | 0x001E | Record separator | ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| | 031 | 0x1F | 0x001F | Unit separator | _ | 095 | 0x5F | 0x005F | Low line |
| | 032 | 0x20 | 0x0020 | Space | ` | 096 | 0x60 | 0x0060 | Grave accent |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark | a | 097 | 0x61 | 0x0061 | Latin small letter a |
| " | 034 | 0x22 | 0x0022 | Quotation mark | b | 098 | 0x62 | 0x0062 | Latin small letter b |
| # | 035 | 0x23 | 0x0023 | Number sign | c | 099 | 0x63 | 0x0063 | Latin small letter c |
| $ | 036 | 0x24 | 0x0024 | Dollar sign | d | 100 | 0x64 | 0x0064 | Latin small letter d |
| % | 037 | 0x25 | 0x0025 | Percent sign | e | 101 | 0x65 | 0x0065 | Latin small letter e |
| & | 038 | 0x26 | 0x0026 | Ampersand | f | 102 | 0x66 | 0x0066 | Latin small letter f |
| ' | 039 | 0x27 | 0x0027 | Apostrophe | g | 103 | 0x67 | 0x0067 | Latin small letter g |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis | h | 104 | 0x68 | 0x0068 | Latin small letter h |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis | i | 105 | 0x69 | 0x0069 | Latin small letter i |
| * | 042 | 0x2A | 0x002A | Asterisk | j | 106 | 0x6A | 0x006A | Latin small letter j |
| + | 043 | 0x2B | 0x002B | Plus sign | k | 107 | 0x6B | 0x006B | Latin small letter k |
| , | 044 | 0x2C | 0x002C | Comma | l | 108 | 0x6C | 0x006C | Latin small letter l |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus | m | 109 | 0x6D | 0x006D | Latin small letter m |
| . | 046 | 0x2E | 0x002E | Full stop | n | 110 | 0x6E | 0x006E | Latin small letter n |
| / | 047 | 0x2F | 0x002F | Solidus | o | 111 | 0x6F | 0x006F | Latin small letter o |
| 0 | 048 | 0x30 | 0x0030 | Digit zero | p | 112 | 0x70 | 0x0070 | Latin small letter p |
| 1 | 049 | 0x31 | 0x0031 | Digit one | q | 113 | 0x71 | 0x0071 | Latin small letter q |
| 2 | 050 | 0x32 | 0x0032 | Digit two | r | 114 | 0x72 | 0x0072 | Latin small letter r |
| 3 | 051 | 0x33 | 0x0033 | Digit three | s | 115 | 0x73 | 0x0073 | Latin small letter s |
| 4 | 052 | 0x34 | 0x0034 | Digit four | t | 116 | 0x74 | 0x0074 | Latin small letter t |
| 5 | 053 | 0x35 | 0x0035 | Digit five | u | 117 | 0x75 | 0x0075 | Latin small letter u |
| 6 | 054 | 0x36 | 0x0036 | Digit six | v | 118 | 0x76 | 0x0076 | Latin small letter v |
| 7 | 055 | 0x37 | 0x0037 | Digit seven | w | 119 | 0x77 | 0x0077 | Latin small letter w |
| 8 | 056 | 0x38 | 0x0038 | Digit eight | x | 120 | 0x78 | 0x0078 | Latin small letter x |
| 9 | 057 | 0x39 | 0x0039 | Digit nine | y | 121 | 0x79 | 0x0079 | Latin small letter y |
| : | 058 | 0x3A | 0x003A | Colon | z | 122 | 0x7A | 0x007A | Latin small letter z |
| ; | 059 | 0x3B | 0x003B | Semicolon | { | 123 | 0x7B | 0x007B | Left curly bracket |
| < | 060 | 0x3C | 0x003C | Less-than sign | \| | 124 | 0x7C | 0x007C | Vertical line |
| = | 061 | 0x3D | 0x003D | Equals sign | } | 125 | 0x7D | 0x007D | Right curly bracket |
| > | 062 | 0x3E | 0x003E | Greater-than sign | ~ | 126 | 0x7E | 0x007E | Tilde |
| ? | 063 | 0x3F | 0x003F | Question mark | | 127 | 0x7F | 0x007F | Delete |

# Windows Greek Character Set, cont.

**NASC 1253**

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x00AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| ƒ | 131 | 0x83 | 0x0192 | Latin small letter f with hook |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
|  | 136 | 0x88 | 0x0000 | Undefined |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
|  | 138 | 0x8A | 0x0000 | Undefined |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
|  | 140 | 0x8C | 0x0000 | Undefined |
|  | 141 | 0x8D | 0x0000 | Undefined |
|  | 142 | 0x8E | 0x0000 | Undefined |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
|  | 152 | 0x98 | 0x0000 | Undefined |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
|  | 154 | 0x9A | 0x0000 | Undefined |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
|  | 156 | 0x9C | 0x0000 | Undefined |
|  | 157 | 0x9D | 0x0000 | Undefined |
|  | 158 | 0x9E | 0x0000 | Undefined |
|  | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| ¨ | 161 | 0xA1 | 0x0385 | Greek dialytika tonos |
| Ά | 162 | 0xA2 | 0x0386 | Greek capital letter ALPHA with tonos |
| £ | 163 | 0xA3 | 0x00A3 | Pound sign |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| ¥ | 165 | 0xA5 | 0x00A5 | Yen sign |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| ¨ | 168 | 0xA8 | 0x00A8 | Diaeresis |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
|  | 170 | 0xAA | 0x0000 | Undefined |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| — | 175 | 0xAF | 0x2015 | Horizontal bar |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ² | 178 | 0xB2 | 0x00B2 | Superscript 2 |
| ³ | 179 | 0xB3 | 0x00B3 | Superscript 3 |
| ΄ | 180 | 0xB4 | 0x0384 | Greek tonos |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| Έ | 184 | 0xB8 | 0x0388 | Greek capital letter EPSILON with tonos |
| Ή | 185 | 0xB9 | 0x0389 | Greek capital letter ETA with tonos |
| Ί | 186 | 0xBA | 0x038A | Greek capital letter IOTA with tonos |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| Ό | 188 | 0xBC | 0x038C | Greek capital letter OMICRON with tonos |
| ½ | 189 | 0xBD | 0x00BD | Vulgar fraction one half |
| Ύ | 190 | 0xBE | 0x038E | Greek capital letter UPSILON with tonos |
| Ώ | 191 | 0xBF | 0x038F | Greek capital letter OMEGA with tonos |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| ΐ | 192 | 0xC0 | 0x0390 | Greek capital letter IOTA w dialytika and tonos |
| Α | 193 | 0xC1 | 0x0391 | Greek capital letter ALPHA |
| Β | 194 | 0xC2 | 0x0392 | Greek capital letter BETA |
| Γ | 195 | 0xC3 | 0x0393 | Greek capital letter GAMMA |
| Δ | 196 | 0xC4 | 0x0394 | Greek capital letter DELTA |
| Ε | 197 | 0xC5 | 0x0395 | Greek capital letter EPSILON |
| Ζ | 198 | 0xC6 | 0x0396 | Greek capital letter ZETA |
| Η | 199 | 0xC7 | 0x0397 | Greek capital letter ETA |
| Θ | 200 | 0xC8 | 0x0398 | Greek capital letter THETA |
| Ι | 201 | 0xC9 | 0x0399 | Greek capital letter IOTA |
| Κ | 202 | 0xCA | 0x039A | Greek capital letter KAPPA |
| Λ | 203 | 0xCB | 0x039B | Greek capital letter LAMDA |
| Μ | 204 | 0xCC | 0x039C | Greek capital letter MU |
| Ν | 205 | 0xCD | 0x039D | Greek capital letter NU |
| Ξ | 206 | 0xCE | 0x039E | Greek capital letter XI |
| Ο | 207 | 0xCF | 0x039F | Greek capital letter OMICRON |
| Π | 208 | 0xD0 | 0x03A0 | Greek capital letter PI |
| Ρ | 209 | 0xD1 | 0x03A1 | Greek capital letter RHO |
|  | 210 | 0xD2 | 0x0000 | Undefined |
| Σ | 211 | 0xD3 | 0x03A3 | Greek capital letter SIGMA |
| Τ | 212 | 0xD4 | 0x03A4 | Greek capital letter TAU |
| Υ | 213 | 0xD5 | 0x03A5 | Greek capital letter UPSILON |
| Φ | 214 | 0xD6 | 0x03A6 | Greek capital letter PHI |
| Χ | 215 | 0xD7 | 0x03A7 | Greek capital letter CHI |
| Ψ | 216 | 0xD8 | 0x03A8 | Greek capital letter PSI |
| Ω | 217 | 0xD9 | 0x03A9 | Greek capital letter OMEGA |
| Ϊ | 218 | 0xDA | 0x03AA | Greek capital letter IOTA with dialytika |
| Ϋ | 219 | 0xDB | 0x03AB | Greek capital letter UPSILON with dialytika |
| ά | 220 | 0xDC | 0x03AC | Greek small letter alpha with tonos |
| έ | 221 | 0xDD | 0x03AD | Greek small letter epsilon with tonos |
| ή | 222 | 0xDE | 0x03AE | Greek small letter eta with tonos |
| ί | 223 | 0xDF | 0x03AF | Greek small letter iota with tonos |
| ΰ | 224 | 0xE0 | 0x03B0 | Greek small letter upsilon w dialytika and tonos |
| α | 225 | 0xE1 | 0x03B1 | Greek small letter alpha |
| β | 226 | 0xE2 | 0x03B2 | Greek small letter beta |
| γ | 227 | 0xE3 | 0x03B3 | Greek small letter gamma |
| δ | 228 | 0xE4 | 0x03B4 | Greek small letter delta |
| ε | 229 | 0xE5 | 0x03B5 | Greek small letter epsilon |
| ζ | 230 | 0xE6 | 0x03B6 | Greek small letter zeta |
| η | 231 | 0xE7 | 0x03B7 | Greek small letter eta |
| θ | 232 | 0xE8 | 0x03B8 | Greek small letter theta |
| ι | 233 | 0xE9 | 0x03B9 | Greek small letter iota |
| κ | 234 | 0xEA | 0x03BA | Greek small letter kappa |
| λ | 235 | 0xEB | 0x03BB | Greek small letter lamda |
| μ | 236 | 0xEC | 0x03BC | Greek small letter mu |
| ν | 237 | 0xED | 0x03BD | Greek small letter nu |
| ξ | 238 | 0xEE | 0x03BE | Greek small letter xi |
| ο | 239 | 0xEF | 0x03BF | Greek small letter omicron |
| π | 240 | 0xF0 | 0x03C0 | Greek small letter pi |
| ρ | 241 | 0xF1 | 0x03C1 | Greek small letter rho |
| ς | 242 | 0xF2 | 0x03C2 | Greek small letter final sigma |
| σ | 243 | 0xF3 | 0x03C3 | Greek small letter sigma |
| τ | 244 | 0xF4 | 0x03C4 | Greek small letter tau |
| υ | 245 | 0xF5 | 0x03C5 | Greek small letter upsilon |
| φ | 246 | 0xF6 | 0x03C6 | Greek small letter phi |
| χ | 247 | 0xF7 | 0x03C7 | Greek small letter chi |
| ψ | 248 | 0xF8 | 0x03C8 | Greek small letter psi |
| ω | 249 | 0xF9 | 0x03C9 | Greek small letter omega |
| ϊ | 250 | 0xFA | 0x03CA | Greek small letter iota with dialytika |
| ϋ | 251 | 0xFB | 0x03CB | Greek small letter upsilon with dialytika |
| ό | 252 | 0xFC | 0x03CC | Greek small letter omicron with tonos |
| ύ | 253 | 0xFD | 0x03CD | Greek small letter upsilon with tonos |
| ώ | 254 | 0xFE | 0x03CE | Greek small letter omega with tonos |
|  | 255 | 0xFF | 0x0000 | Undefined |

# Windows Latin 5 Character Set

# NASC 1254

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# Windows Latin 5 Character Set, cont.                    NASC 1254

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x00AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
| ƒ | 131 | 0x83 | 0x0192 | Latin small letter f with hook |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
| ˆ | 136 | 0x88 | 0x02C6 | Modifier letter circumflex accent |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
| Š | 138 | 0x8A | 0x0160 | Latin capital letter S with caron |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
| Œ | 140 | 0x8C | 0x0152 | Latin capital ligature OE |
|  | 141 | 0x8D | 0x0000 | Undefined |
|  | 142 | 0x8E | 0x0000 | Undefined |
|  | 143 | 0x8F | 0x0000 | Undefined |
|  | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
| ˜ | 152 | 0x98 | 0x02DC | Small tilde |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
| š | 154 | 0x9A | 0x0161 | Latin small letter s with caron |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
| œ | 156 | 0x9C | 0x0153 | Latin small ligature oe |
|  | 157 | 0x9D | 0x0000 | Undefined |
|  | 158 | 0x9E | 0x0000 | Undefined |
| Ÿ | 159 | 0x9F | 0x0178 | Latin capital letter Y with diaeresis |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
| ¡ | 161 | 0xA1 | 0x00A1 | Inverted exclamation mark |
| ¢ | 162 | 0xA2 | 0x00A2 | Cent sign |
| £ | 163 | 0xA3 | 0x00A3 | Pound sign |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
| ¥ | 165 | 0xA5 | 0x00A5 | Yen sign |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| ¨ | 168 | 0xA8 | 0x00A8 | Diaeresis |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| ª | 170 | 0xAA | 0x00AA | Feminine ordinal indicator |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| ¯ | 175 | 0xAF | 0x00AF | Macron |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ² | 178 | 0xB2 | 0x00B2 | Superscript 2 |
| ³ | 179 | 0xB3 | 0x00B3 | Superscript 3 |
| ´ | 180 | 0xB4 | 0x00B4 | Acute accent |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ¸ | 184 | 0xB8 | 0x00B8 | Cedilla |
| ¹ | 185 | 0xB9 | 0x00B9 | Superscript one |
| º | 186 | 0xBA | 0x00BA | Masculine ordinal indicator |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| ¼ | 188 | 0xBC | 0x00BC | Vulgar fraction one quarter |
| ½ | 189 | 0xBD | 0x00BD | Vulgar fraction one half |
| ¾ | 190 | 0xBE | 0x00BE | Vulgar fraction three quarters |
| ¿ | 191 | 0xBF | 0x00BF | Inverted question mark |
| À | 192 | 0xC0 | 0x00C0 | Latin capital letter A with grave |
| Á | 193 | 0xC1 | 0x00C1 | Latin capital letter A with acute |
| Â | 194 | 0xC2 | 0x00C2 | Latin capital letter A with circumflex |
| Ã | 195 | 0xC3 | 0x00C3 | Latin capital letter A with tilde |
| Ä | 196 | 0xC4 | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 197 | 0xC5 | 0x00C5 | Latin capital letter A with ring above |
| Æ | 198 | 0xC6 | 0x00C6 | Latin capital letter AE |
| Ç | 199 | 0xC7 | 0x00C7 | Latin capital letter C with cedilla |
| È | 200 | 0xC8 | 0x00C8 | Latin capital letter E with grave |
| É | 201 | 0xC9 | 0x00C9 | Latin capital letter E with acute |
| Ê | 202 | 0xCA | 0x00CA | Latin capital letter E with circumflex |
| Ë | 203 | 0xCB | 0x00CB | Latin capital letter E with diaeresis |
| Ì | 204 | 0xCC | 0x00CC | Latin capital letter I with grave |
| Í | 205 | 0xCD | 0x00CD | Latin capital letter I with acute |
| Î | 206 | 0xCE | 0x00CE | Latin capital letter I with circumflex |
| Ï | 207 | 0xCF | 0x00CF | Latin capital letter I with diaeresis |
| Ğ | 208 | 0xD0 | 0x011E | Latin capital letter G with breve |
| Ñ | 209 | 0xD1 | 0x00D1 | Latin capital letter N with tilde |
| Ò | 210 | 0xD2 | 0x00D2 | Latin capital letter O with grave |
| Ó | 211 | 0xD3 | 0x00D3 | Latin capital letter O with acute |
| Ô | 212 | 0xD4 | 0x00D4 | Latin capital letter O with circumflex |
| Õ | 213 | 0xD5 | 0x00D5 | Latin capital letter O with tilde |
| Ö | 214 | 0xD6 | 0x00D6 | Latin capital letter O with diaeresis |
| × | 215 | 0xD7 | 0x00D7 | Multiplication sign |
| Ø | 216 | 0xD8 | 0x00D8 | Latin capital letter O with stroke |
| Ù | 217 | 0xD9 | 0x00D9 | Latin capital letter U with grave |
| Ú | 218 | 0xDA | 0x00DA | Latin capital letter U with acute |
| Û | 219 | 0xDB | 0x00DB | Latin capital letter U with circumflex |
| Ü | 220 | 0xDC | 0x00DC | Latin capital letter U with diaeresis |
| İ | 221 | 0xDD | 0x0130 | Latin capital letter I with dot above |
| Ş | 222 | 0xDE | 0x015E | Latin capital letter S with cedilla |
| ß | 223 | 0xDF | 0x00DF | Latin small letter sharp s |
| à | 224 | 0xE0 | 0x00E0 | Latin small letter a with grave |
| á | 225 | 0xE1 | 0x00E1 | Latin small letter a with acute |
| â | 226 | 0xE2 | 0x00E2 | Latin small letter a with circumflex |
| ã | 227 | 0xE3 | 0x00E3 | Latin small letter a with tilde |
| ä | 228 | 0xE4 | 0x00E4 | Latin small letter a with diaeresis |
| å | 229 | 0xE5 | 0x00E5 | Latin small letter with ring above |
| æ | 230 | 0xE6 | 0x00E6 | Latin small letter AE |
| ç | 231 | 0xE7 | 0x00E7 | Latin small letter c with cedilla |
| è | 232 | 0xE8 | 0x00E8 | Latin small letter e with grave |
| é | 233 | 0xE9 | 0x00E9 | Latin small letter e with acute |
| ê | 234 | 0xEA | 0x00EA | Latin small letter e with circumflex |
| ë | 235 | 0xEB | 0x00EB | Latin small letter e with diaeresis |
| ì | 236 | 0xEC | 0x00EC | Latin small letter i with grave |
| í | 237 | 0xED | 0x00ED | Latin small letter i with acute |
| î | 238 | 0xEE | 0x00EE | Latin small letter i with circumflex |
| ï | 239 | 0xEF | 0x00EF | Latin small letter i with diaeresis |
| ğ | 240 | 0xF0 | 0x011F | Latin small letter g with breve |
| ñ | 241 | 0xF1 | 0x00F1 | Latin small letter n with tilde |
| ò | 242 | 0xF2 | 0x00F2 | Latin small letter o with grave |
| ó | 243 | 0xF3 | 0x00F3 | Latin small letter o with acute |
| ô | 244 | 0xF4 | 0x00F4 | Latin small letter o with circumflex |
| õ | 245 | 0xF5 | 0x00F5 | Latin small letter o with tilde |
| ö | 246 | 0xF6 | 0x00F6 | Latin small letter o with diaeresis |
| ÷ | 247 | 0xF7 | 0x00F7 | Division sign |
| ø | 248 | 0xF8 | 0x00F8 | Latin small letter o with stroke |
| ù | 249 | 0xF9 | 0x00F9 | Latin small letter u with grave |
| ú | 250 | 0xFA | 0x00FA | Latin small letter u with acute |
| û | 251 | 0xFB | 0x00FB | Latin small letter u with circumflex |
| ü | 252 | 0xFC | 0x00FC | Latin small letter u with diaeresis |
| ı | 253 | 0xFD | 0x0131 | Latin small letter dotless i |
| ş | 254 | 0xFE | 0x015F | Latin small letter s with cedilla |
| ÿ | 255 | 0xFF | 0x00FF | Latin small lettery with diaeresis |

# Windows Baltic Rim Character Set                    NASC 1257

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
|  | 000 | 0x00 | 0x0000 | Null |
|  | 001 | 0x01 | 0x0001 | Start of heading |
|  | 002 | 0x02 | 0x0002 | Start of text |
|  | 003 | 0x03 | 0x0003 | End of text |
|  | 004 | 0x04 | 0x0004 | End of transmission |
|  | 005 | 0x05 | 0x0005 | Enquiry |
|  | 006 | 0x06 | 0x0006 | Acknowledge |
|  | 007 | 0x07 | 0x0007 | Bell |
|  | 008 | 0x08 | 0x0008 | Backspace |
|  | 009 | 0x09 | 0x0009 | Horizontal tabulation |
|  | 010 | 0x0A | 0x000A | Line feed |
|  | 011 | 0x0B | 0x000B | Vertical tabulation |
|  | 012 | 0x0C | 0x000C | Form feed |
|  | 013 | 0x0D | 0x000D | Carriage return |
|  | 014 | 0x0E | 0x000E | Shift out |
|  | 015 | 0x0F | 0x000F | Shift in |
|  | 016 | 0x10 | 0x0010 | Data link escape |
|  | 017 | 0x11 | 0x0011 | Device control one |
|  | 018 | 0x12 | 0x0012 | Device control two |
|  | 019 | 0x13 | 0x0013 | Device control three |
|  | 020 | 0x14 | 0x0014 | Device control four |
|  | 021 | 0x15 | 0x0015 | Negative acknowledge |
|  | 022 | 0x16 | 0x0016 | Synchronous idle |
|  | 023 | 0x17 | 0x0017 | End of transmission block |
|  | 024 | 0x18 | 0x0018 | Cancel |
|  | 025 | 0x19 | 0x0019 | End of medium |
|  | 026 | 0x1A | 0x001A | Substitute |
|  | 027 | 0x1B | 0x001B | Escape |
|  | 028 | 0x1C | 0x001C | File separator |
|  | 029 | 0x1D | 0x001D | Group separator |
|  | 030 | 0x1E | 0x001E | Record separator |
|  | 031 | 0x1F | 0x001F | Unit separator |
|  | 032 | 0x20 | 0x0020 | Space |
| ! | 033 | 0x21 | 0x0021 | Exclamation mark |
| " | 034 | 0x22 | 0x0022 | Quotation mark |
| # | 035 | 0x23 | 0x0023 | Number sign |
| $ | 036 | 0x24 | 0x0024 | Dollar sign |
| % | 037 | 0x25 | 0x0025 | Percent sign |
| & | 038 | 0x26 | 0x0026 | Ampersand |
| ' | 039 | 0x27 | 0x0027 | Apostrophe |
| ( | 040 | 0x28 | 0x0028 | Left parenthesis |
| ) | 041 | 0x29 | 0x0029 | Right parenthesis |
| * | 042 | 0x2A | 0x002A | Asterisk |
| + | 043 | 0x2B | 0x002B | Plus sign |
| , | 044 | 0x2C | 0x002C | Comma |
| - | 045 | 0x2D | 0x002D | Hyphen-Minus |
| . | 046 | 0x2E | 0x002E | Full stop |
| / | 047 | 0x2F | 0x002F | Solidus |
| 0 | 048 | 0x30 | 0x0030 | Digit zero |
| 1 | 049 | 0x31 | 0x0031 | Digit one |
| 2 | 050 | 0x32 | 0x0032 | Digit two |
| 3 | 051 | 0x33 | 0x0033 | Digit three |
| 4 | 052 | 0x34 | 0x0034 | Digit four |
| 5 | 053 | 0x35 | 0x0035 | Digit five |
| 6 | 054 | 0x36 | 0x0036 | Digit six |
| 7 | 055 | 0x37 | 0x0037 | Digit seven |
| 8 | 056 | 0x38 | 0x0038 | Digit eight |
| 9 | 057 | 0x39 | 0x0039 | Digit nine |
| : | 058 | 0x3A | 0x003A | Colon |
| ; | 059 | 0x3B | 0x003B | Semicolon |
| < | 060 | 0x3C | 0x003C | Less-than sign |
| = | 061 | 0x3D | 0x003D | Equals sign |
| > | 062 | 0x3E | 0x003E | Greater-than sign |
| ? | 063 | 0x3F | 0x003F | Question mark |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|-------|-----------|-----------|-------------|--------------|
| @ | 064 | 0x40 | 0x0040 | Commercial at |
| A | 065 | 0x41 | 0x0041 | Latin capital letter A |
| B | 066 | 0x42 | 0x0042 | Latin capital letter B |
| C | 067 | 0x43 | 0x0043 | Latin capital letter C |
| D | 068 | 0x44 | 0x0044 | Latin capital letter D |
| E | 069 | 0x45 | 0x0045 | Latin capital letter E |
| F | 070 | 0x46 | 0x0046 | Latin capital letter F |
| G | 071 | 0x47 | 0x0047 | Latin capital letter G |
| H | 072 | 0x48 | 0x0048 | Latin capital letter H |
| I | 073 | 0x49 | 0x0049 | Latin capital letter I |
| J | 074 | 0x4A | 0x004A | Latin capital letter J |
| K | 075 | 0x4B | 0x004B | Latin capital letter K |
| L | 076 | 0x4C | 0x004C | Latin capital letter L |
| M | 077 | 0x4D | 0x004D | Latin capital letter M |
| N | 078 | 0x4E | 0x004E | Latin capital letter N |
| O | 079 | 0x4F | 0x004F | Latin capital letter O |
| P | 080 | 0x50 | 0x0050 | Latin capital letter P |
| Q | 081 | 0x51 | 0x0051 | Latin capital letter Q |
| R | 082 | 0x52 | 0x0052 | Latin capital letter R |
| S | 083 | 0x53 | 0x0053 | Latin capital letter S |
| T | 084 | 0x54 | 0x0054 | Latin capital letter T |
| U | 085 | 0x55 | 0x0055 | Latin capital letter U |
| V | 086 | 0x56 | 0x0056 | Latin capital letter V |
| W | 087 | 0x57 | 0x0057 | Latin capital letter W |
| X | 088 | 0x58 | 0x0058 | Latin capital letter X |
| Y | 089 | 0x59 | 0x0059 | Latin capital letter Y |
| Z | 090 | 0x5A | 0x005A | Latin capital letter Z |
| [ | 091 | 0x5B | 0x005B | Left square bracket |
| \ | 092 | 0x5C | 0x005C | Reverse solidus |
| ] | 093 | 0x5D | 0x005D | Right square bracket |
| ^ | 094 | 0x5E | 0x005E | Circumflex accent |
| _ | 095 | 0x5F | 0x005F | Low line |
| ` | 096 | 0x60 | 0x0060 | Grave accent |
| a | 097 | 0x61 | 0x0061 | Latin small letter a |
| b | 098 | 0x62 | 0x0062 | Latin small letter b |
| c | 099 | 0x63 | 0x0063 | Latin small letter c |
| d | 100 | 0x64 | 0x0064 | Latin small letter d |
| e | 101 | 0x65 | 0x0065 | Latin small letter e |
| f | 102 | 0x66 | 0x0066 | Latin small letter f |
| g | 103 | 0x67 | 0x0067 | Latin small letter g |
| h | 104 | 0x68 | 0x0068 | Latin small letter h |
| i | 105 | 0x69 | 0x0069 | Latin small letter i |
| j | 106 | 0x6A | 0x006A | Latin small letter j |
| k | 107 | 0x6B | 0x006B | Latin small letter k |
| l | 108 | 0x6C | 0x006C | Latin small letter l |
| m | 109 | 0x6D | 0x006D | Latin small letter m |
| n | 110 | 0x6E | 0x006E | Latin small letter n |
| o | 111 | 0x6F | 0x006F | Latin small letter o |
| p | 112 | 0x70 | 0x0070 | Latin small letter p |
| q | 113 | 0x71 | 0x0071 | Latin small letter q |
| r | 114 | 0x72 | 0x0072 | Latin small letter r |
| s | 115 | 0x73 | 0x0073 | Latin small letter s |
| t | 116 | 0x74 | 0x0074 | Latin small letter t |
| u | 117 | 0x75 | 0x0075 | Latin small letter u |
| v | 118 | 0x76 | 0x0076 | Latin small letter v |
| w | 119 | 0x77 | 0x0077 | Latin small letter w |
| x | 120 | 0x78 | 0x0078 | Latin small letter x |
| y | 121 | 0x79 | 0x0079 | Latin small letter y |
| z | 122 | 0x7A | 0x007A | Latin small letter z |
| { | 123 | 0x7B | 0x007B | Left curly bracket |
| \| | 124 | 0x7C | 0x007C | Vertical line |
| } | 125 | 0x7D | 0x007D | Right curly bracket |
| ~ | 126 | 0x7E | 0x007E | Tilde |
|  | 127 | 0x7F | 0x007F | Delete |

# Windows Baltic Rim Character Set, cont.    NASC 1257

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| € | 128 | 0x80 | 0x00AC | Euro sign |
|  | 129 | 0x81 | 0x0000 | Undefined |
| ‚ | 130 | 0x82 | 0x201A | Single low-9 quotation mark |
|  | 131 | 0x83 | 0x0000 | Undefined |
| „ | 132 | 0x84 | 0x201E | Double low-9 quotation mark |
| … | 133 | 0x85 | 0x2026 | Horizontal ellipsis |
| † | 134 | 0x86 | 0x2020 | Dagger |
| ‡ | 135 | 0x87 | 0x2021 | Double dagger |
|  | 136 | 0x88 | 0x0000 | Undefined |
| ‰ | 137 | 0x89 | 0x2030 | Per mille sign |
|  | 138 | 0x8A | 0x0000 | Undefined |
| ‹ | 139 | 0x8B | 0x2039 | Single left-pointing angle quotation mark |
|  | 140 | 0x8C | 0x0000 | Undefined |
| ¨ | 141 | 0x8D | 0x00A8 | Diaeresis |
| ˇ | 142 | 0x8E | 0x02C7 | Caron |
| ¸ | 143 | 0x8F | 0x00B8 | Cedilla |
|  | 144 | 0x90 | 0x0000 | Undefined |
| ' | 145 | 0x91 | 0x2018 | Left single quotation mark |
| ' | 146 | 0x92 | 0x2019 | Right single quotation mark |
| " | 147 | 0x93 | 0x201C | Left double quotation mark |
| " | 148 | 0x94 | 0x201D | Right double quotation mark |
| • | 149 | 0x95 | 0x2022 | Bullet |
| – | 150 | 0x96 | 0x2013 | En dash |
| — | 151 | 0x97 | 0x2014 | Em dash |
|  | 152 | 0x98 | 0x0000 | Undefined |
| ™ | 153 | 0x99 | 0x2122 | Trade mark sign |
|  | 154 | 0x9A | 0x0000 | Undefined |
| › | 155 | 0x9B | 0x203A | Single right-pointing angle quotation mark |
|  | 156 | 0x9C | 0x0000 | Undefined |
| ¯ | 157 | 0x9D | 0x00AF | Macron |
| ˛ | 158 | 0x9E | 0x02DB | Ogonek |
|  | 159 | 0x9F | 0x0000 | Undefined |
|  | 160 | 0xA0 | 0x00A0 | No-break space |
|  | 161 | 0xA1 | 0x0000 | Undefined |
| ¢ | 162 | 0xA2 | 0x00A2 | Cent sign |
| £ | 163 | 0xA3 | 0x00A3 | Pound sign |
| ¤ | 164 | 0xA4 | 0x00A4 | Currency sign |
|  | 165 | 0xA5 | 0x0000 | Undefined |
| ¦ | 166 | 0xA6 | 0x00A6 | Broken bar |
| § | 167 | 0xA7 | 0x00A7 | Section sign |
| Ø | 168 | 0xA8 | 0x00D8 | Latin capital letter O with stroke |
| © | 169 | 0xA9 | 0x00A9 | Copyright sign |
| Ŗ | 170 | 0xAA | 0x0156 | Latin capital letter R with cedilla |
| « | 171 | 0xAB | 0x00AB | Left-pointing double angle quotation mark |
| ¬ | 172 | 0xAC | 0x00AC | Not sign |
| - | 173 | 0xAD | 0x00AD | Soft hyphen |
| ® | 174 | 0xAE | 0x00AE | Registered sign |
| Æ | 175 | 0xAF | 0x00C6 | Latin capital letter Æ |
| ° | 176 | 0xB0 | 0x00B0 | Degree sign |
| ± | 177 | 0xB1 | 0x00B1 | Plus-minus sign |
| ² | 178 | 0xB2 | 0x00B2 | Superscript 2 |
| ³ | 179 | 0xB3 | 0x00B3 | Superscript 3 |
| ´ | 180 | 0xB4 | 0x00B4 | Acute accent |
| µ | 181 | 0xB5 | 0x00B5 | Micro sign |
| ¶ | 182 | 0xB6 | 0x00B6 | Pilcrow sign |
| · | 183 | 0xB7 | 0x00B7 | Middle dot |
| ø | 184 | 0xB8 | 0x00F8 | Latin small letter o with stroke |
| ¹ | 185 | 0xB9 | 0x00B9 | Superscript one |
| ŗ | 186 | 0xBA | 0x0157 | Latin small letter r with cedilla |
| » | 187 | 0xBB | 0x00BB | Right-pointing double angle quotation mark |
| ¼ | 188 | 0xBC | 0x00BC | Vulgar fraction one quarter |
| ½ | 189 | 0xBD | 0x00BD | Vulgar fraction one half |
| ¾ | 190 | 0xBE | 0x00BE | Vulgar fraction three quarters |
| æ | 191 | 0xBF | 0x00E6 | Latin small letter æ |

| Glyph | ASCII dec. | ASCII hex | Unicode hex | Unicode name |
|---|---|---|---|---|
| Ą | 192 | 0xC0 | 0x0104 | Latin capital letter A with ogonek |
| Į | 193 | 0xC1 | 0x012E | Latin capital letter I with ogonek |
| Ā | 194 | 0xC2 | 0x0100 | Latin capital letter A with macron |
| Ć | 195 | 0xC3 | 0x0106 | Latin capital letter C with acute |
| Ä | 196 | 0xC4 | 0x00C4 | Latin capital letter A with diaeresis |
| Å | 197 | 0xC5 | 0x00C5 | Latin capital letter A with ring above |
| Ę | 198 | 0xC6 | 0x0118 | Latin capital letter E with ogonek |
| Ē | 199 | 0xC7 | 0x0112 | Latin capital letter E with macron |
| Č | 200 | 0xC8 | 0x010C | Latin capital letter C with caron |
| É | 201 | 0xC9 | 0x00C9 | Latin capital letter E with acute |
| Ź | 202 | 0xCA | 0x0179 | Latin capital letter Z with acute |
| Ė | 203 | 0xCB | 0x0116 | Latin capital letter E with dot above |
| Ģ | 204 | 0xCC | 0x0122 | Latin capital letter G with cedilla |
| Ķ | 205 | 0xCD | 0x0136 | Latin capital letter K with cedilla |
| Ī | 206 | 0xCE | 0x012A | Latin capital letter I with macron |
| Ļ | 207 | 0xCF | 0x013B | Latin capital letter L with cedilla |
| Š | 208 | 0xD0 | 0x0160 | Latin capital letter S with caron |
| Ń | 209 | 0xD1 | 0x0143 | Latin capital letter N with acute |
| Ņ | 210 | 0xD2 | 0x0145 | Latin capital letter N with cedilla |
| Ó | 211 | 0xD3 | 0x00D3 | Latin capital letter O with acute |
| Ō | 212 | 0xD4 | 0x014C | Latin capital letter O with macron |
| Õ | 213 | 0xD5 | 0x00D5 | Latin capital letter O with tilde |
| Ö | 214 | 0xD6 | 0x00D6 | Latin capital letter O with diaeresis |
| × | 215 | 0xD7 | 0x00D7 | Multiplication sign |
| Ų | 216 | 0xD8 | 0x0172 | Latin capital letter U with ogonek |
| Ł | 217 | 0xD9 | 0x0141 | Latin capital letter L with stroke |
| Ś | 218 | 0xDA | 0x015A | Latin capital letter S with acute |
| Ū | 219 | 0xDB | 0x016A | Latin capital letter U with macron |
| Ü | 220 | 0xDC | 0x00DC | Latin capital letter U with diaeresis |
| Ż | 221 | 0xDD | 0x017B | Latin capital letter Z with dot above |
| Ž | 222 | 0xDE | 0x017D | Latin capital letter Z with caron |
| ß | 223 | 0xDF | 0x00DF | Latin small letter sharp s |
| ą | 224 | 0xE0 | 0x0105 | Latin small letter a with ogonek |
| į | 225 | 0xE1 | 0x012F | Latin small letter i with ogonek |
| ā | 226 | 0xE2 | 0x0101 | Latin small letter a with macron |
| ć | 227 | 0xE3 | 0x0107 | Latin small letter c with acute |
| ä | 228 | 0xE4 | 0x00E4 | Latin small letter a with diaeresis |
| å | 229 | 0xE5 | 0x00E5 | Latin small letter with ring above |
| ę | 230 | 0xE6 | 0x0119 | Latin small letter e with ogonek |
| ē | 231 | 0xE7 | 0x0113 | Latin small letter e with macron |
| č | 232 | 0xE8 | 0x010D | Latin small letter c with caron |
| é | 233 | 0xE9 | 0x00E9 | Latin small letter e with acute |
| ź | 234 | 0xEA | 0x017A | Latin small letter z with acute |
| ė | 235 | 0xEB | 0x0117 | Latin small letter e with dot above |
| ģ | 236 | 0xEC | 0x0123 | Latin small letter g with cedilla |
| ķ | 237 | 0xED | 0x0137 | Latin small letter k with cedilla |
| ī | 238 | 0xEE | 0x012B | Latin small letter i with macron |
| ļ | 239 | 0xEF | 0x013C | Latin small letter l with cedilla |
| š | 240 | 0xF0 | 0x0161 | Latin small letter s with caron |
| ń | 241 | 0xF1 | 0x0144 | Latin small letter n with acute |
| ņ | 242 | 0xF2 | 0x0146 | Latin small letter n with cedilla |
| ó | 243 | 0xF3 | 0x00F3 | Latin small letter o with acute |
| ō | 244 | 0xF4 | 0x014D | Latin small letter o with macron |
| õ | 245 | 0xF5 | 0x00F5 | Latin small letter o with tilde |
| ö | 246 | 0xF6 | 0x00F6 | Latin small letter o with diaeresis |
| ÷ | 247 | 0xF7 | 0x00F7 | Division sign |
| ų | 248 | 0xF8 | 0x0173 | Latin small letter u with ogonek |
| ł | 249 | 0xF9 | 0x0142 | Latin small letter l with stroke |
| ś | 250 | 0xFA | 0x015B | Latin small letter s with acute |
| ū | 251 | 0xFB | 0x016B | Latin small letter u with macron |
| ü | 252 | 0xFC | 0x00FC | Latin small letter u with diaeresis |
| ż | 253 | 0xFD | 0x017C | Latin small letter z with dot above |
| ž | 254 | 0xFE | 0x017E | Latin small letter z with caron |
| ˙ | 255 | 0xFF | 0x02D9 | Dot above |

# OCR-A BT Character Set                    (automatically selected)

|      | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|---|---|---|---|---|---|---|---|---|---|
| 30   |   |   | ! | " | # | ⇔ | % | & | ' |   |
| 40   | ( | ) | * | + | ˥ | - | . | / | ⎕ | ⅼ |
| 50   | ㄹ | Ξ | 4 | 5 | Ƅ | 7 | ȣ | ꟼ | : | ؛ |
| 60   | < | = | > | ? | ⓐ | A | B | C | D | E |
| 70   | F | G | H | I | J | K | L | M | N | ◊ |
| 80   | P | Q | R | Z | T | U | V | Ш | X | Y |
| 90   | Z | ⟦ | \ | ⟧ | ^ | ⎕ | ⎕ | a | b | c |
| 100  | d | e | f | g | h | i | j | k | l | m |
| 110  | n | o | p | q | r | s | t | u | v | w |
| 120  | x | y | z | { | \| | } | ⎕ | ⎕ | ⎕ | ⎕ |
| 130  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 140  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 150  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 160  | ⎕ | ♪ | ⎕ | £ | ⎕ | ¥ | ⎕ | ⎕ | ⎕ | ' |
| 170  | ⎕ | < | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ˥ | . |
| 180  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | > | ⎕ | ⎕ |
| 190  | ⎕ | ⎕ | ? | ⎕ | — |   | ⎕ | Ä | Å | Æ | ⎕ |
| 200  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | - | Ñ |   |
| 210  | ⎕ | ■ | ⎕ | ⎕ | ö | ⎕ | Ø | ⎕ | ⎕ | ⎕ |
| 220  | Ü | ⎕ | ⅂ | ⎕ | Ч | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 230  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 240  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |
| 250  | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ | ⎕ |   |   |   |   |

## OCR-B 10 Pitch BT Character Set  (automatically selected)

|     | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|---|---|---|---|---|---|---|---|---|---|
| 30  |   |   | ! | " | # | $ | % | & | ' |   |
| 40  | ( | ) | * | + | , | - | . | / | 0 | 1 |
| 50  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | : | ; |
| 60  | < | = | > | ? | @ | A | B | C | D | E |
| 70  | F | G | H | I | J | K | L | M | N | O |
| 80  | P | Q | R | S | T | U | V | W | X | Y |
| 90  | Z | [ | \ | ] | ^ | _ | ` | a | b | c |
| 100 | d | e | f | g | h | ī | j | k | l | m |
| 110 | n | o | p | q | r | s | t | u | v | w |
| 120 | x | y | z | { | | | } | ~ | □ | □ | □ |
| 130 | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 140 | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 150 | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 160 |   | □ | □ | £ | ¤ | ¥ | □ | § | ¨ | ' |
| 170 | " | □ | □ | □ | □ | □ | □ | □ | † | □ |
| 180 | ´ | m | □ | · | , | □ | " | □ | □ | □ |
| 190 | □ | □ | □ | ' | —— | ^ | Ä | Å | Æ | □ |
| 200 | □ | □ |   | □ | □ | □ | IJ | ij | □ | Ñ |
| 210 | | | ■ | _ | □ | ö | □ | ø | □ | □ | □ |
| 220 | Ü | □ | □ | ß | □ | □ | □ | □ | □ | å |
| 230 | æ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 240 | □ | □ | □ | □ | □ | □ | □ | □ | ø | □ |
| 250 | □ | □ | □ | □ | □ | □ |   |   |   |   |

## Zapf Dingbats BT Character Set          (automatically selected)

# Font Resource Printout Samples

## Description

The scalable TrueDoc fonts in Intermec Fingerprint v7.31-compatible printers come as portable font resources (pfr) from Bitstream Inc. Presently (September 2000), Intermec offers the following single-byte pfr sets:

- **ubi-1b.pfr**
  *This is the standard set of fonts that comes installed in the printers firmware and consists of 15 fonts. All these fonts, except No. 12 to 14, contain the Euro currency sign (€).*

  | Font | Character Set |
  |------|---------------|
  | 0. Swiss 721 WGL4BT | WGL4 |
  | 1. Prestige 12 Pitch Bold BT | Latin 1 (1252) |
  | 2. Zurich Extra Condensed BT | Latin 1 (1252) |
  | 3. Swiss 721 Bold BT | Latin 1 (1252) |
  | 4. Swiss 721 Bold Condensed BT | Latin 1 (1252) |
  | 5. Dutch 801 Roman BT | Latin 1 (1252) |
  | 6. Dutch 801 Bold BT | Latin 1 (1252) |
  | 7. Century Schoolbook BT | Latin 1 (1252) |
  | 8. Futura Light BT | Latin 1 (1252) |
  | 9. Letter Gothic 12 Pitch BT | Latin 1 (1252) |
  | 10. Monospace 821 BT | Latin 1 (1252) |
  | 11. Monospace 821 Bold BT | Latin 1 (1252) |
  | 12. OCR-A BT | OCR-A |
  | 13. OCR-B 10 Pitch BT | OCR-B |
  | 14. Zapf Dingbats BT | Zapf Dingbats |

- **Ubipfr.2**
  *This is an optional set containing a single font. Contains character sets Latin 1 (1252), Latin 2 (1250), Latin 5 (1254), and Cyrillic (1251). It does **not** support the Euro currency sign (€).*
  0. Swiss 721 BT

- **Ubipfr.3**
  *This is an optional set containing three fonts. They do **not** support the Euro currency sign (€). The font Swiss 721 BT contains the character sets Latin 1 (1252), Latin 5 (1254), and Greek (1253).*
  0. Swiss 721 BT
  1. Sharif Light BT
  2. Hadassah BT

In this chapter you can see scanned printout samples of the various fonts and the hexadecimal Unicode number of each glyph.

**ubi-1b.pfr**                    **Font 0: Swiss 721 WGL4BT, part 1**

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / | 0 | 1 | 2 | 3 | 4 |
| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | A | B | C | D | E | F | G | H | I |
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s |
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| t | u | v | w | x | y | z | { | \| | } | ~ | | ¡ | ¢ | £ | ¤ | ¥ | ¦ | § | ¨ | © |
| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ª | « | ¬ | - | ® | ¯ | ° | ± | ² | ³ | ´ | µ | ¶ | · | ¸ | ¹ | º | » | ¼ | ½ | ¾ |
| 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD | 0x00BE |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ¿ | À | Á | Â | Ã | Ä | Å | Æ | Ç | È | É | Ê | Ë | Ì | Í | Î | Ï | Ð | Ñ | Ò | Ó |
| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ô | Õ | Ö | × | Ø | Ù | Ú | Û | Ü | Ý | Þ | ß | à | á | â | ã | ä | å | æ | ç | è |
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| é | ê | ë | ì | í | î | ï | ð | ñ | ò | ó | ô | õ | ö | ÷ | ø | ù | ú | û | ü | ý |
| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| þ | ÿ | Ā | ā | Ă | ă | Ą | ą | Ć | ć | Ĉ | ĉ | Ċ | ċ | Č | č | Ď | ď | Đ | đ | Ē |
| 0x00FE | 0x00FF | 0x0100 | 0x0101 | 0x0102 | 0x0103 | 0x0104 | 0x0105 | 0x0106 | 0x0107 | 0x0108 | 0x0109 | 0x010A | 0x010B | 0x010C | 0x010D | 0x010E | 0x010F | 0x0110 | 0x0111 | 0x0112 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ē | Ĕ | ĕ | Ė | ė | Ę | ę | Ě | ě | Ĝ | ĝ | Ğ | ğ | Ġ | ġ | Ģ | ģ | Ĥ | ĥ | Ħ | ħ |
| 0x0113 | 0x0114 | 0x0115 | 0x0116 | 0x0117 | 0x0118 | 0x0119 | 0x011A | 0x011B | 0x011C | 0x011D | 0x011E | 0x011F | 0x0120 | 0x0121 | 0x0122 | 0x0123 | 0x0124 | 0x0125 | 0x0126 | 0x0127 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ĩ | ĩ | Ī | ī | Ĭ | ĭ | Į | į | İ | ı | Ĳ | ĳ | Ĵ | ĵ | Ķ | ķ | ĸ | Ĺ | ĺ | Ļ | ļ |
| 0x0128 | 0x0129 | 0x012A | 0x012B | 0x012C | 0x012D | 0x012E | 0x012F | 0x0130 | 0x0131 | 0x0132 | 0x0133 | 0x0134 | 0x0135 | 0x0136 | 0x0137 | 0x0138 | 0x0139 | 0x013A | 0x013B | 0x013C |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ľ | ľ | Ŀ | ŀ | Ł | ł | Ń | ń | Ņ | ņ | Ň | ň | ŉ | Ŋ | ŋ | Ō | ō | Ŏ | ŏ | Ő | ő |
| 0x013D | 0x013E | 0x013F | 0x0140 | 0x0141 | 0x0142 | 0x0143 | 0x0144 | 0x0145 | 0x0146 | 0x0147 | 0x0148 | 0x0149 | 0x014A | 0x014B | 0x014C | 0x014D | 0x014E | 0x014F | 0x0150 | 0x0151 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Œ | œ | Ŕ | ŕ | Ŗ | ŗ | Ř | ř | Ś | ś | Ŝ | ŝ | Ş | ş | Š | š | Ţ | ţ | Ť | ť | Ŧ |
| 0x0152 | 0x0153 | 0x0154 | 0x0155 | 0x0156 | 0x0157 | 0x0158 | 0x0159 | 0x015A | 0x015B | 0x015C | 0x015D | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0162 | 0x0163 | 0x0164 | 0x0165 | 0x0166 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ŧ | Ũ | ũ | Ū | ū | Ŭ | ŭ | Ů | ů | Ű | ű | Ų | ų | Ŵ | ŵ | Ŷ | ŷ | Ÿ | Ź | ź | Ż |
| 0x0167 | 0x0168 | 0x0169 | 0x016A | 0x016B | 0x016C | 0x016D | 0x016E | 0x016F | 0x0170 | 0x0171 | 0x0172 | 0x0173 | 0x0174 | 0x0175 | 0x0176 | 0x0177 | 0x0178 | 0x0179 | 0x017A | 0x017B |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ż | Ž | ž | ſ | ƒ | Å | å | Æ | æ | Ø | ø | ˆ | ˇ | ˉ | ˘ | ˙ | ˚ | | ˜ | ˝ | ; |
| 0x017C | 0x017D | 0x017E | 0x017F | 0x0192 | 0x01FA | 0x01FB | 0x01FC | 0x01FD | 0x01FE | 0x01FF | 0x02C6 | 0x02C7 | 0x02C9 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x037E |

# ubi-1b.pfr

# Font 0: Swiss 721 WGL4BT, part 2

| ´ | ¨ | Ά | · | Έ | Ή | Ί | Ό | Ύ | Ώ | ϊ | Α | Β | Γ | Δ | Ε | Ζ | Η | Θ | Ι | Κ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0384 | 0x0385 | 0x0386 | 0x0387 | 0x0388 | 0x0389 | 0x038A | 0x038C | 0x038E | 0x038F | 0x0390 | 0x0391 | 0x0392 | 0x0393 | 0x0394 | 0x0395 | 0x0396 | 0x0397 | 0x0398 | 0x0399 | 0x039A |

| Λ | Μ | Ν | Ξ | Ο | Π | Ρ | Σ | Τ | Υ | Φ | Χ | Ψ | Ω | Ϊ | Ϋ | ά | έ | ή | ί | ΰ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x039B | 0x039C | 0x039D | 0x039E | 0x039F | 0x03A0 | 0x03A1 | 0x03A3 | 0x03A4 | 0x03A5 | 0x03A6 | 0x03A7 | 0x03A8 | 0x03A9 | 0x03AA | 0x03AB | 0x03AC | 0x03AD | 0x03AE | 0x03AF | 0x03B0 |

| α | β | γ | δ | ε | ζ | η | θ | ι | κ | λ | μ | ν | ξ | ο | π | ρ | ς | σ | τ | υ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x03B1 | 0x03B2 | 0x03B3 | 0x03B4 | 0x03B5 | 0x03B6 | 0x03B7 | 0x03B8 | 0x03B9 | 0x03BA | 0x03BB | 0x03BC | 0x03BD | 0x03BE | 0x03BF | 0x03C0 | 0x03C1 | 0x03C2 | 0x03C3 | 0x03C4 | 0x03C5 |

| φ | χ | ψ | ω | ϊ | ϋ | ό | ύ | ώ | Ё | Ђ | Ѓ | Є | Ѕ | І | Ї | Ј | Љ | Њ | Ћ | Ќ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x03C6 | 0x03C7 | 0x03C8 | 0x03C9 | 0x03CA | 0x03CB | 0x03CC | 0x03CD | 0x03CE | 0x0401 | 0x0402 | 0x0403 | 0x0404 | 0x0405 | 0x0406 | 0x0407 | 0x0408 | 0x0409 | 0x040A | 0x040B | 0x040C |

| Ў | Џ | А | Б | В | Г | Д | Е | Ж | З | И | Й | К | Л | М | Н | О | П | Р | С | Т |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x040E | 0x040F | 0x0410 | 0x0411 | 0x0412 | 0x0413 | 0x0414 | 0x0415 | 0x0416 | 0x0417 | 0x0418 | 0x0419 | 0x041A | 0x041B | 0x041C | 0x041D | 0x041E | 0x041F | 0x0420 | 0x0421 | 0x0422 |

| У | Ф | Х | Ц | Ч | Ш | Щ | Ъ | Ы | Ь | Э | Ю | Я | а | б | в | г | д | е | ж | з |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0423 | 0x0424 | 0x0425 | 0x0426 | 0x0427 | 0x0428 | 0x0429 | 0x042A | 0x042B | 0x042C | 0x042D | 0x042E | 0x042F | 0x0430 | 0x0431 | 0x0432 | 0x0433 | 0x0434 | 0x0435 | 0x0436 | 0x0437 |

| и | й | к | л | м | н | о | п | р | с | т | у | ф | х | ц | ч | ш | щ | ъ | ы | ь |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0438 | 0x0439 | 0x043A | 0x043B | 0x043C | 0x043D | 0x043E | 0x043F | 0x0440 | 0x0441 | 0x0442 | 0x0443 | 0x0444 | 0x0445 | 0x0446 | 0x0447 | 0x0448 | 0x0449 | 0x044A | 0x044B | 0x044C |

| э | ю | я | ё | ђ | ѓ | є | ѕ | і | ї | ј | љ | њ | ћ | ќ | ў | џ | Ґ | ґ | Ẁ | ẁ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x044D | 0x044E | 0x044F | 0x0451 | 0x0452 | 0x0453 | 0x0454 | 0x0455 | 0x0456 | 0x0457 | 0x0458 | 0x0459 | 0x045A | 0x045B | 0x045C | 0x045E | 0x045F | 0x0490 | 0x0491 | 0x1E80 | 0x1E81 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x1E82 | 0x1E83 | 0x1E84 | 0x1E85 | 0x1EF2 | 0x1EF3 | 0x2013 | 0x2014 | 0x2015 | 0x2017 | 0x2018 | 0x2019 | 0x201A | 0x201B | 0x201C | 0x201D | 0x201E | 0x2020 | 0x2021 | 0x2022 | 0x2026 |

| ‰ | ′ | ″ | ‹ | › | ‼ | ‾ | ⁄ | ⁿ | Fr | ₤ | ₧ | € | ℅ | ℓ | № | ™ | Ω | ℮ | ⅛ | ⅜ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2030 | 0x2032 | 0x2033 | 0x2039 | 0x203A | 0x203C | 0x203E | 0x2044 | 0x207F | 0x20A3 | 0x20A4 | 0x20A7 | 0x20AC | 0x2105 | 0x2113 | 0x2116 | 0x2122 | 0x2126 | 0x212E | 0x215B | 0x215C |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x215D | 0x215E | 0x2190 | 0x2191 | 0x2192 | 0x2193 | 0x2194 | 0x2195 | 0x21A8 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x221F | 0x2229 | 0x222B |

| ≈ | ≠ | ≡ | ≤ | ≥ | ⌂ | ⌐ | ⌠ | ⌡ | ─ | │ | ┌ | ┐ | └ | ┘ | ├ | ┤ | ┬ | ┴ | ┼ | ═ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2248 | 0x2260 | 0x2261 | 0x2264 | 0x2265 | 0x2302 | 0x2310 | 0x2320 | 0x2321 | 0x2500 | 0x2502 | 0x250C | 0x2510 | 0x2514 | 0x2518 | 0x251C | 0x2524 | 0x252C | 0x2534 | 0x253C | 0x2550 |

| ║ | ╒ | ╓ | ╔ | ╕ | ╖ | ╗ | ╘ | ╙ | ╚ | ╛ | ╜ | ╝ | ╞ | ╟ | ╠ | ╡ | ╢ | ╣ | ╤ | ╥ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2551 | 0x2552 | 0x2553 | 0x2554 | 0x2555 | 0x2556 | 0x2557 | 0x2558 | 0x2559 | 0x255A | 0x255B | 0x255C | 0x255D | 0x255E | 0x255F | 0x2560 | 0x2561 | 0x2562 | 0x2563 | 0x2564 | 0x2565 |

| ╦ | ╧ | ╨ | ╩ | ╪ | ╫ | ╬ | ▀ | ▄ | █ | ▌ | ▐ | ░ | ▒ | ▓ | ■ | □ | ▪ | ▫ | ▬ | ▲ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2566 | 0x2567 | 0x2568 | 0x2569 | 0x256A | 0x256B | 0x256C | 0x2580 | 0x2584 | 0x2588 | 0x258C | 0x2590 | 0x2591 | 0x2592 | 0x2593 | 0x25A0 | 0x25A1 | 0x25AA | 0x25AB | 0x25AC | 0x25B2 |

| ► | ▼ | ◄ | ◊ | ○ | ● | ◘ | ◙ | ° | ☺ | ☻ | ☼ | ♀ | ♂ | ♠ | ♣ | ♥ | ♦ | ♪ | ♫ | ﬁ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x25BA | 0x25BC | 0x25C4 | 0x25CA | 0x25CB | 0x25CF | 0x25D8 | 0x25D9 | 0x25E6 | 0x263A | 0x263B | 0x263C | 0x2640 | 0x2642 | 0x2660 | 0x2663 | 0x2665 | 0x2666 | 0x266A | 0x266B | 0xF001 |

| ﬂ | ‚ | ¸ | ﬁ | ﬂ |
|---|---|---|---|---|
| 0xF002 | 0xF004 | 0xF005 | 0xFB01 | 0xFB02 |

**ubi-1b.pfr**                    **Font 1: Prestige 12 Pitch Bold BT**

| ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

| 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD | 0x00BE |

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| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

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| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

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| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

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| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD | 0x00BE |

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| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

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| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

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0x00E9 0x00EA 0x00EB 0x00EC 0x00ED 0x00EE 0x00EF 0x00F0 0x00F1 0x00F2 0x00F3 0x00F4 0x00F5 0x00F6 0x00F7 0x00F8 0x00F9 0x00FA 0x00FB 0x00FC 0x00FD

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0x017E 0x0192 0x02C6 0x02C7 0x02D8 0x02D9 0x02DA 0x02DB 0x02DC 0x02DD 0x03A9 0x03C0 0x2013 0x2014 0x2018 0x2019 0x201A 0x201C 0x201D 0x201E 0x2020

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| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

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| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

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| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

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0x0020 0x0021 0x0022 0x0023 0x0024 0x0025 0x0026 0x0027 0x0028 0x0029 0x002A 0x002B 0x002C 0x002D 0x002E 0x002F 0x0030 0x0031 0x0032 0x0033 0x0034

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| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

| t | u | v | w | x | y | z | { | \| | } | ~ | | ¡ | ¢ | £ | ¤ | ¥ | ¦ | § | ¨ | © |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD | 0x00BE |

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| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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|---|---|---|---|---|---|
| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

**ubi-1b.pfr**                                    **Font 10: Monospace 821 BT**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 | 0x00A9 |

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| 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD | 0x00BE |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D0 | 0x00D1 | 0x00D2 | 0x00D3 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 | 0x017D |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 |

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| 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x20A3 | 0x20AC | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 |

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|---|---|---|---|---|---|
| 0x2264 | 0x2265 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

**ubi-1b.pfr**                    **Font 11: Monospace 821 Bold BT**

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0x0020 0x0021 0x0022 0x0023 0x0024 0x0025 0x0026 0x0027 0x0028 0x0029 0x002A 0x002B 0x002C 0x002D 0x002E 0x002F 0x0030 0x0031 0x0032 0x0033 0x0034

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0x0035 0x0036 0x0037 0x0038 0x0039 0x003A 0x003B 0x003C 0x003D 0x003E 0x003F 0x0040 0x0041 0x0042 0x0043 0x0044 0x0045 0x0046 0x0047 0x0048 0x0049

J K L M N O P Q R S T U V W X Y Z [ \ ] ^
0x004A 0x004B 0x004C 0x004D 0x004E 0x004F 0x0050 0x0051 0x0052 0x0053 0x0054 0x0055 0x0056 0x0057 0x0058 0x0059 0x005A 0x005B 0x005C 0x005D 0x005E

_ ` a b c d e f g h i j k l m n o p q r s
0x005F 0x0060 0x0061 0x0062 0x0063 0x0064 0x0065 0x0066 0x0067 0x0068 0x0069 0x006A 0x006B 0x006C 0x006D 0x006E 0x006F 0x0070 0x0071 0x0072 0x0073

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0x0074 0x0075 0x0076 0x0077 0x0078 0x0079 0x007A 0x007B 0x007C 0x007D 0x007E 0x00A0 0x00A1 0x00A2 0x00A3 0x00A4 0x00A5 0x00A6 0x00A7 0x00A8 0x00A9

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0x00BF 0x00C0 0x00C1 0x00C2 0x00C3 0x00C4 0x00C5 0x00C6 0x00C7 0x00C8 0x00C9 0x00CA 0x00CB 0x00CC 0x00CD 0x00CE 0x00CF 0x00D0 0x00D1 0x00D2 0x00D3

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0x00D4 0x00D5 0x00D6 0x00D7 0x00D8 0x00D9 0x00DA 0x00DB 0x00DC 0x00DD 0x00DE 0x00DF 0x00E0 0x00E1 0x00E2 0x00E3 0x00E4 0x00E5 0x00E6 0x00E7 0x00E8

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0x00E9 0x00EA 0x00EB 0x00EC 0x00ED 0x00EE 0x00EF 0x00F0 0x00F1 0x00F2 0x00F3 0x00F4 0x00F5 0x00F6 0x00F7 0x00F8 0x00F9 0x00FA 0x00FB 0x00FC 0x00FD

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0x00FE 0x00FF 0x0106 0x0107 0x010C 0x010D 0x0111 0x011E 0x011F 0x0130 0x0131 0x0141 0x0142 0x0152 0x0153 0x015E 0x015F 0x0160 0x0161 0x0178 0x017D

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0x017E 0x0192 0x02C6 0x02C7 0x02D8 0x02D9 0x02DA 0x02DB 0x02DC 0x02DD 0x03A9 0x03C0 0x2013 0x2014 0x2018 0x2019 0x201A 0x201C 0x201D 0x201E 0x2020

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0x2021 0x2022 0x2026 0x2030 0x2039 0x203A 0x20A3 0x20AC 0x2122 0x2202 0x2206 0x220F 0x2211 0x2212 0x2215 0x2219 0x221A 0x221E 0x222B 0x2248 0x2260

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0x2264 0x2265 0x25CA 0xF000 0xF001 0xF002

**ubi-1b.pfr**                                        **Font 12: OCR-A BT**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

| a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t | u |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 | 0x0074 | 0x0075 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x00A0 | 0x00A3 | 0x00A5 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00D1 | 0x00D6 | 0x00D8 | 0x00DC | 0x2015 | 0x2019 | 0x2039 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x203A | 0x2440 | 0x2441 | 0x2442 | 0x25AE | 0xF020 | 0xF021 | 0xF022 | 0xF023 | 0xF024 | 0xF025 | 0xF026 | 0xF027 | 0xF028 | 0xF029 | 0xF02A | 0xF02B | 0xF02C | 0xF02D | 0xF02E | 0xF02F |

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| 0xF030 | 0xF031 | 0xF032 | 0xF033 | 0xF034 | 0xF035 | 0xF036 | 0xF037 | 0xF038 | 0xF039 | 0xF03A | 0xF03B | 0xF03C | 0xF03D | 0xF03E | 0xF03F | 0xF040 | 0xF041 | 0xF042 | 0xF043 | 0xF044 |

| E | F | G | H | I | J | K | L | M | N | O | P | Q | R | Z | T | U | V | W | X | Y |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF045 | 0xF046 | 0xF047 | 0xF048 | 0xF049 | 0xF04A | 0xF04B | 0xF04C | 0xF04D | 0xF04E | 0xF04F | 0xF050 | 0xF051 | 0xF052 | 0xF053 | 0xF054 | 0xF055 | 0xF056 | 0xF057 | 0xF058 | 0xF059 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF05A | 0xF05B | 0xF05C | 0xF05D | 0xF05E | 0xF061 | 0xF062 | 0xF063 | 0xF064 | 0xF065 | 0xF066 | 0xF067 | 0xF068 | 0xF069 | 0xF06A | 0xF06B | 0xF06C | 0xF06D | 0xF06E | 0xF06F | 0xF070 |

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| 0xF071 | 0xF072 | 0xF073 | 0xF074 | 0xF075 | 0xF076 | 0xF077 | 0xF078 | 0xF079 | 0xF07A | 0xF07B | 0xF07C | 0xF07D | 0xF0A1 | 0xF0A3 | 0xF0A5 | 0xF0A9 | 0xF0AB | 0xF0B2 | 0xF0B3 | 0xF0BB |

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| 0xF0C0 | 0xF0C2 | 0xF0C4 | 0xF0C5 | 0xF0C6 | 0xF0CA | 0xF0D0 | 0xF0D1 | 0xF0D3 | 0xF0D6 | 0xF0D8 | 0xF0DC | 0xF0DE | 0xF0E0 |

## ubi-1b.pfr                                    Font 13: OCR-B 10 Pitch BT

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 | 0x0049 |

| J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ |
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| 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D | 0x005E |

| _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 | 0x0073 |

| t | u | v | w | x | y | z | { | \| | } | ~ | £ | ¤ | ¥ | § | ¨ | ´ | · | , | Ä |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A7 | 0x00A8 | 0x00B4 | 0x00B7 | 0x00B8 | 0x00C4 |

| Å | Æ | Ñ | Ö | Ø | Ü | ß | å | æ | ø | IJ | ij | ˆ | — | ' | ' | " | " | † | ∎ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00C5 | 0x00C6 | 0x00D1 | 0x00D6 | 0x00D8 | 0x00DC | 0x00DF | 0x00E5 | 0x00E6 | 0x00F8 | 0x0132 | 0x0133 | 0x02C6 | 0x2015 | 0x2018 | 0x2019 | 0x201C | 0x201D | 0x2020 | 0x25AE | 0xF020 |

| ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / | 0 | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF021 | 0xF022 | 0xF023 | 0xF024 | 0xF025 | 0xF026 | 0xF027 | 0xF028 | 0xF029 | 0xF02A | 0xF02B | 0xF02C | 0xF02D | 0xF02E | 0xF02F | 0xF030 | 0xF031 | 0xF032 | 0xF033 | 0xF034 | 0xF035 |

| 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF036 | 0xF037 | 0xF038 | 0xF039 | 0xF03A | 0xF03B | 0xF03C | 0xF03D | 0xF03E | 0xF03F | 0xF040 | 0xF041 | 0xF042 | 0xF043 | 0xF044 | 0xF045 | 0xF046 | 0xF047 | 0xF048 | 0xF049 | 0xF04A |

| K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] | ^ | _ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF04B | 0xF04C | 0xF04D | 0xF04E | 0xF04F | 0xF050 | 0xF051 | 0xF052 | 0xF053 | 0xF054 | 0xF055 | 0xF056 | 0xF057 | 0xF058 | 0xF059 | 0xF05A | 0xF05B | 0xF05C | 0xF05D | 0xF05E | 0xF05F |

| ' | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF060 | 0xF061 | 0xF062 | 0xF063 | 0xF064 | 0xF065 | 0xF066 | 0xF067 | 0xF068 | 0xF069 | 0xF06A | 0xF06B | 0xF06C | 0xF06D | 0xF06E | 0xF06F | 0xF070 | 0xF071 | 0xF072 | 0xF073 | 0xF074 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF075 | 0xF076 | 0xF077 | 0xF078 | 0xF079 | 0xF07A | 0xF07B | 0xF07C | 0xF07D | 0xF07E | 0xF0A3 | 0xF0A4 | 0xF0A5 | 0xF0A7 | 0xF0A8 | 0xF0A9 | 0xF0AA | 0xF0B2 | 0xF0B4 | 0xF0B5 | 0xF0B7 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF0BA | 0xF0C1 | 0xF0C2 | 0xF0C3 | 0xF0C4 | 0xF0C5 | 0xF0C6 | 0xF0CA | 0xF0CB | 0xF0CE | 0xF0CF | 0xF0D1 | 0xF0D2 | 0xF0D3 | 0xF0D4 | 0xF0D6 | 0xF0D8 | 0xF0DC | 0xF0DF | 0xF0E5 | 0xF0E6 |

| ø |
|---|
| 0xF0F8 |

**ubi-1b.pfr**                                    **Font 14: Zapf Dingbats BT, part 1**

| → | ↔ | ↕ | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | ■ | ▲ | ▼ | ◆ | ● | ◗ | ★ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0020 | 0x2192 | 0x2194 | 0x2195 | 0x2460 | 0x2461 | 0x2462 | 0x2463 | 0x2464 | 0x2465 | 0x2466 | 0x2467 | 0x2468 | 0x2469 | 0x25A0 | 0x25B2 | 0x25BC | 0x25C6 | 0x25CF | 0x25D7 | 0x2605 |

| 0x260E | 0x261B | 0x261E | 0x2660 | 0x2663 | 0x2665 | 0x2666 | 0x2701 | 0x2702 | 0x2703 | 0x2704 | 0x2706 | 0x2707 | 0x2708 | 0x2709 | 0x270C | 0x270D | 0x270E | 0x270F | 0x2710 | 0x2711 |

| 0x2712 | 0x2713 | 0x2714 | 0x2715 | 0x2716 | 0x2717 | 0x2718 | 0x2719 | 0x271A | 0x271B | 0x271C | 0x271D | 0x271E | 0x271F | 0x2720 | 0x2721 | 0x2722 | 0x2723 | 0x2724 | 0x2725 | 0x2726 |

| 0x2727 | 0x2729 | 0x272A | 0x272B | 0x272C | 0x272D | 0x272E | 0x272F | 0x2730 | 0x2731 | 0x2732 | 0x2733 | 0x2734 | 0x2735 | 0x2736 | 0x2737 | 0x2738 | 0x2739 | 0x273A | 0x273B | 0x273C |

| 0x273D | 0x273E | 0x273F | 0x2740 | 0x2741 | 0x2742 | 0x2743 | 0x2744 | 0x2745 | 0x2746 | 0x2747 | 0x2748 | 0x2749 | 0x274A | 0x274B | 0x274D | 0x274F | 0x2750 | 0x2751 | 0x2752 | 0x2756 |

| 0x2758 | 0x2759 | 0x275A | 0x275B | 0x275C | 0x275D | 0x275E | 0x2761 | 0x2762 | 0x2763 | 0x2764 | 0x2765 | 0x2766 | 0x2767 | 0x2776 | 0x2777 | 0x2778 | 0x2779 | 0x277A | 0x277B | 0x277C |

| 0x277D | 0x277E | 0x277F | 0x2780 | 0x2781 | 0x2782 | 0x2783 | 0x2784 | 0x2785 | 0x2786 | 0x2787 | 0x2788 | 0x2789 | 0x278A | 0x278B | 0x278C | 0x278D | 0x278E | 0x278F | 0x2790 | 0x2791 |

| 0x2792 | 0x2793 | 0x2794 | 0x2798 | 0x2799 | 0x279A | 0x279B | 0x279C | 0x279D | 0x279E | 0x279F | 0x27A0 | 0x27A1 | 0x27A2 | 0x27A3 | 0x27A4 | 0x27A5 | 0x27A6 | 0x27A7 | 0x27A8 | 0x27A9 |

| 0x27AA | 0x27AB | 0x27AC | 0x27AD | 0x27AE | 0x27AF | 0x27B1 | 0x27B2 | 0x27B3 | 0x27B4 | 0x27B5 | 0x27B6 | 0x27B7 | 0x27B8 | 0x27B9 | 0x27BA | 0x27BB | 0x27BC | 0x27BD | 0x27BE | 0xF020 |

| 0xF021 | 0xF022 | 0xF023 | 0xF024 | 0xF025 | 0xF026 | 0xF027 | 0xF028 | 0xF029 | 0xF02A | 0xF02B | 0xF02C | 0xF02D | 0xF02E | 0xF02F | 0xF030 | 0xF031 | 0xF032 | 0xF033 | 0xF034 | 0xF035 |

| 0xF036 | 0xF037 | 0xF038 | 0xF039 | 0xF03A | 0xF03B | 0xF03C | 0xF03D | 0xF03E | 0xF03F | 0xF040 | 0xF041 | 0xF042 | 0xF043 | 0xF044 | 0xF045 | 0xF046 | 0xF047 | 0xF048 | 0xF049 | 0xF04A |

| 0xF04B | 0xF04C | 0xF04D | 0xF04E | 0xF04F | 0xF050 | 0xF051 | 0xF052 | 0xF053 | 0xF054 | 0xF055 | 0xF056 | 0xF057 | 0xF058 | 0xF059 | 0xF05A | 0xF05B | 0xF05C | 0xF05D | 0xF05E | 0xF05F |

| 0xF060 | 0xF061 | 0xF062 | 0xF063 | 0xF064 | 0xF065 | 0xF066 | 0xF067 | 0xF068 | 0xF069 | 0xF06A | 0xF06B | 0xF06C | 0xF06D | 0xF06E | 0xF06F | 0xF070 | 0xF071 | 0xF072 | 0xF073 | 0xF074 |

| 0xF075 | 0xF076 | 0xF077 | 0xF078 | 0xF079 | 0xF07A | 0xF07B | 0xF07C | 0xF07D | 0xF07E | 0xF080 | 0xF081 | 0xF082 | 0xF083 | 0xF084 | 0xF085 | 0xF086 | 0xF087 | 0xF088 | 0xF089 | 0xF08A |

| 0xF08B | 0xF08C | 0xF08D | 0xF0A1 | 0xF0A2 | 0xF0A3 | 0xF0A4 | 0xF0A5 | 0xF0A6 | 0xF0A7 | 0xF0A8 | 0xF0A9 | 0xF0AA | 0xF0AB | 0xF0AC | 0xF0AD | 0xF0AE | 0xF0AF | 0xF0B0 | 0xF0B1 | 0xF0B2 |

| 0xF0B3 | 0xF0B4 | 0xF0B5 | 0xF0B6 | 0xF0B7 | 0xF0B8 | 0xF0B9 | 0xF0BA | 0xF0BB | 0xF0BC | 0xF0BD | 0xF0BE | 0xF0BF | 0xF0C0 | 0xF0C1 | 0xF0C2 | 0xF0C3 | 0xF0C4 | 0xF0C5 | 0xF0C6 | 0xF0C7 |

**ubi-1b.pfr**                    **Font 14: Zapf Dingbats BT, part 2**

⑨ ⑩ ❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿ → → ↔ ↕ ↘ ➡ ↗ → ➔
0xF0C8 0xF0C9 0xF0CA 0xF0CB 0xF0CC 0xF0CD 0xF0CE 0xF0CF 0xF0D0 0xF0D1 0xF0D2 0xF0D3 0xF0D4 0xF0D5 0xF0D6 0xF0D7 0xF0D8 0xF0D9 0xF0DA 0xF0DB 0xF0DC

→ → ⇒ ⇛ ➡ ➢ ➣ ➤ ➥ ➦ ➧ ➨ ⇨ ⇨ ⇨ ⇨ ⇨ ⇨ ⇨ ⤴
0xF0DD 0xF0DE 0xF0DF 0xF0E0 0xF0E1 0xF0E2 0xF0E3 0xF0E4 0xF0E5 0xF0E6 0xF0E7 0xF0E8 0xF0E9 0xF0EA 0xF0EB 0xF0EC 0xF0ED 0xF0EE 0xF0EF 0xF0F1 0xF0F2

⇛ �’ ⇾ ➚ �’ ⇻ �’ → ↔ ⇉ ⇉ ⇒
0xF0F3 0xF0F4 0xF0F5 0xF0F6 0xF0F7 0xF0F8 0xF0F9 0xF0FA 0xF0FB 0xF0FC 0xF0FD 0xF0FE

**Ubipfr.2**                                    **Font 0: Swiss 721 BT, part 1**

| □ | | ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / | 0 | 1 | 2 | 3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0000 | 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 |

| 4 | 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0034 | 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 |

| I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0049 | 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D |

| ^ | _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005E | 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 |

| s | t | u | v | w | x | y | z | { | | | } | ~ | | ¡ | ¢ | £ | ¤ | ¥ | ¦ | § | ¨ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0073 | 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00A9 | 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD |

| ¾ | ¿ | À | Á | Â | Ã | Ä | Å | Æ | Ç | È | É | Ê | Ë | Ì | Í | Î | Ï | Ñ | Ò | Ó |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00BE | 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D1 | 0x00D2 | 0x00D3 |

| Ô | Õ | Ö | × | Ø | Ù | Ú | Û | Ü | Ý | Þ | ß | à | á | â | ã | ä | å | æ | ç | è |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

| é | ê | ë | ì | í | î | ï | ð | ñ | ò | ó | ô | õ | ö | ÷ | ø | ù | ú | û | ü | ý |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

| þ | ÿ | Ā | ā | Ă | ă | Ą | ą | Ć | ć | Č | č | Ď | ď | Đ | đ | Ē | ē | Ė | ė | Ę |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00FE | 0x00FF | 0x0100 | 0x0101 | 0x0102 | 0x0103 | 0x0104 | 0x0105 | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x010E | 0x010F | 0x0110 | 0x0111 | 0x0112 | 0x0113 | 0x0116 | 0x0117 | 0x0118 |

| ę | Ě | ě | Ğ | ğ | Ģ | ģ | Ī | ī | Į | į | İ | ı | Ķ | ķ | Ĺ | ĺ | Ļ | ļ | Ľ | ľ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0119 | 0x011A | 0x011B | 0x011E | 0x011F | 0x0122 | 0x0123 | 0x012A | 0x012B | 0x012E | 0x012F | 0x0130 | 0x0131 | 0x0136 | 0x0137 | 0x0139 | 0x013A | 0x013B | 0x013C | 0x013D | 0x013E |

| Ł | ł | Ń | ń | Ņ | ņ | Ň | ň | Ō | ō | Ő | ő | Œ | œ | Ŕ | ŕ | Ŗ | ŗ | Ř | ř | Ś |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0141 | 0x0142 | 0x0143 | 0x0144 | 0x0145 | 0x0146 | 0x0147 | 0x0148 | 0x014C | 0x014D | 0x0150 | 0x0151 | 0x0152 | 0x0153 | 0x0154 | 0x0155 | 0x0156 | 0x0157 | 0x0158 | 0x0159 | 0x015A |

| ś | Ş | ş | Š | š | Ţ | ţ | Ť | ť | Ū | ū | Ů | ů | Ű | ű | Ų | ų | Ÿ | Ź | ź | Ż |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x015B | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0162 | 0x0163 | 0x0164 | 0x0165 | 0x016A | 0x016B | 0x016E | 0x016F | 0x0170 | 0x0171 | 0x0172 | 0x0173 | 0x0178 | 0x0179 | 0x017A | 0x017B |

| ż | Ž | ž | ƒ | ˆ | ˇ | ˜ | ˙ | ˚ | ˛ | ˜ | ˝ | Ω | π | Ё | Ђ | Ѓ | Є | Ѕ | І | Ї |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017C | 0x017D | 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x03A9 | 0x03C0 | 0x0401 | 0x0402 | 0x0403 | 0x0404 | 0x0405 | 0x0406 | 0x0407 |

| Ј | Љ | Њ | Ћ | Ќ | Ў | Џ | А | Б | В | Г | Д | Е | Ж | З | И | Й | К | Л | М | Н |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0408 | 0x0409 | 0x040A | 0x040B | 0x040C | 0x040E | 0x040F | 0x0410 | 0x0411 | 0x0412 | 0x0413 | 0x0414 | 0x0415 | 0x0416 | 0x0417 | 0x0418 | 0x0419 | 0x041A | 0x041B | 0x041C | 0x041D |

| О | П | Р | С | Т | У | Ф | Х | Ц | Ч | Ш | Щ | Ъ | Ы | Ь | Э | Ю | Я | а | б | в |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x041E | 0x041F | 0x0420 | 0x0421 | 0x0422 | 0x0423 | 0x0424 | 0x0425 | 0x0426 | 0x0427 | 0x0428 | 0x0429 | 0x042A | 0x042B | 0x042C | 0x042D | 0x042E | 0x042F | 0x0430 | 0x0431 | 0x0432 |

## Ubipfr.2                      Font 0: Swiss 721 BT, part 2

| г | д | е | ж | з | и | й | к | л | м | н | о | п | р | с | т | у | ф | х | ц | ч |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0433 | 0x0434 | 0x0435 | 0x0436 | 0x0437 | 0x0438 | 0x0439 | 0x043A | 0x043B | 0x043C | 0x043D | 0x043E | 0x043F | 0x0440 | 0x0441 | 0x0442 | 0x0443 | 0x0444 | 0x0445 | 0x0446 | 0x0447 |

| ш | щ | ъ | ы | ь | э | ю | я | ё | ђ | ѓ | є | ѕ | і | ї | ј | љ | њ | ћ | ќ | ў |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0448 | 0x0449 | 0x044A | 0x044B | 0x044C | 0x044D | 0x044E | 0x044F | 0x0451 | 0x0452 | 0x0453 | 0x0454 | 0x0455 | 0x0456 | 0x0457 | 0x0458 | 0x0459 | 0x045A | 0x045B | 0x045C | 0x045E |

| џ | Ґ | ґ | – | — | ' | ' | , | " | " | „ | † | ‡ | • | … | ‰ | ‹ | › | ¯ | Fr | № |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x045F | 0x0490 | 0x0491 | 0x2013 | 0x2014 | 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 | 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x203E | 0x20A3 | 0x2116 |

| ™ | ∂ | Δ | ∏ | ∑ | − | ∕ | · | √ | ∞ | ∫ | ≈ | ≠ | ≤ | ≥ | ▓ | ◊ |  | fi | fl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 | 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x2248 | 0x2260 | 0x2264 | 0x2265 | 0x2592 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

**Ubipfr.3**                                                **Font 0: Swiss 721 BT**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ▯ |  | ! | " | # | $ | % | & | ' | ( | ) | * | + | , | - | . | / | 0 | 1 | 2 | 3 |
| 0x0000 | 0x0020 | 0x0021 | 0x0022 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0027 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 |

| 4 | 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0034 | 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x0041 | 0x0042 | 0x0043 | 0x0044 | 0x0045 | 0x0046 | 0x0047 | 0x0048 |

| I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [ | \ | ] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0049 | 0x004A | 0x004B | 0x004C | 0x004D | 0x004E | 0x004F | 0x0050 | 0x0051 | 0x0052 | 0x0053 | 0x0054 | 0x0055 | 0x0056 | 0x0057 | 0x0058 | 0x0059 | 0x005A | 0x005B | 0x005C | 0x005D |

| ^ | _ | ` | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x005E | 0x005F | 0x0060 | 0x0061 | 0x0062 | 0x0063 | 0x0064 | 0x0065 | 0x0066 | 0x0067 | 0x0068 | 0x0069 | 0x006A | 0x006B | 0x006C | 0x006D | 0x006E | 0x006F | 0x0070 | 0x0071 | 0x0072 |

| s | t | u | v | w | x | y | z | { | \| | } | ~ |  | ¡ | ¢ | £ | ¤ | ¥ | ¦ | § | ¨ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0073 | 0x0074 | 0x0075 | 0x0076 | 0x0077 | 0x0078 | 0x0079 | 0x007A | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A0 | 0x00A1 | 0x00A2 | 0x00A3 | 0x00A4 | 0x00A5 | 0x00A6 | 0x00A7 | 0x00A8 |

| © | ª | « | ¬ | - | ® | ¯ | ° | ± | ² | ³ | ´ | µ | ¶ | · | ¸ | ¹ | º | » | ¼ | ½ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00A9 | 0x00AA | 0x00AB | 0x00AC | 0x00AD | 0x00AE | 0x00AF | 0x00B0 | 0x00B1 | 0x00B2 | 0x00B3 | 0x00B4 | 0x00B5 | 0x00B6 | 0x00B7 | 0x00B8 | 0x00B9 | 0x00BA | 0x00BB | 0x00BC | 0x00BD |

| ¾ | ¿ | À | Á | Â | Ã | Ä | Å | Æ | Ç | È | É | Ê | Ë | Ì | Í | Î | Ï | Ñ | Ò | Ó |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00BE | 0x00BF | 0x00C0 | 0x00C1 | 0x00C2 | 0x00C3 | 0x00C4 | 0x00C5 | 0x00C6 | 0x00C7 | 0x00C8 | 0x00C9 | 0x00CA | 0x00CB | 0x00CC | 0x00CD | 0x00CE | 0x00CF | 0x00D1 | 0x00D2 | 0x00D3 |

| Ô | Õ | Ö | × | Ø | Ù | Ú | Û | Ü | Ý | Þ | ß | à | á | â | ã | ä | å | æ | ç | è |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00D4 | 0x00D5 | 0x00D6 | 0x00D7 | 0x00D8 | 0x00D9 | 0x00DA | 0x00DB | 0x00DC | 0x00DD | 0x00DE | 0x00DF | 0x00E0 | 0x00E1 | 0x00E2 | 0x00E3 | 0x00E4 | 0x00E5 | 0x00E6 | 0x00E7 | 0x00E8 |

| é | ê | ë | ì | í | î | ï | ð | ñ | ò | ó | ô | õ | ö | ÷ | ø | ù | ú | û | ü | ý |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00E9 | 0x00EA | 0x00EB | 0x00EC | 0x00ED | 0x00EE | 0x00EF | 0x00F0 | 0x00F1 | 0x00F2 | 0x00F3 | 0x00F4 | 0x00F5 | 0x00F6 | 0x00F7 | 0x00F8 | 0x00F9 | 0x00FA | 0x00FB | 0x00FC | 0x00FD |

| þ | ÿ | Ć | ć | Č | č | Đ | đ | Ğ | ğ | İ | ı | Ł | ł | Œ | œ | Ş | ş | Š | š | Ÿ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00FE | 0x00FF | 0x0106 | 0x0107 | 0x010C | 0x010D | 0x0110 | 0x0111 | 0x011E | 0x011F | 0x0130 | 0x0131 | 0x0141 | 0x0142 | 0x0152 | 0x0153 | 0x015E | 0x015F | 0x0160 | 0x0161 | 0x0178 |

| Ž | ž | ƒ | ˆ | ˇ | ˘ | ˙ | ˚ | ˛ | ˜ | ˝ | ΄ | ΅ | Ά | Έ | Ή | Ί | Ό | Ύ | Ώ | ΐ | Α |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x017D | 0x017E | 0x0192 | 0x02C6 | 0x02C7 | 0x02D8 | 0x02D9 | 0x02DA | 0x02DB | 0x02DC | 0x02DD | 0x0384 | 0x0386 | 0x0388 | 0x0389 | 0x038A | 0x038C | 0x038E | 0x038F | 0x0390 | 0x0391 |

| Β | Γ | Δ | Ε | Ζ | Η | Θ | Ι | Κ | Λ | Μ | Ν | Ξ | Ο | Π | Ρ | Σ | Τ | Υ | Φ | Χ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0392 | 0x0393 | 0x0394 | 0x0395 | 0x0396 | 0x0397 | 0x0398 | 0x0399 | 0x039A | 0x039B | 0x039C | 0x039D | 0x039E | 0x039F | 0x03A0 | 0x03A1 | 0x03A3 | 0x03A4 | 0x03A5 | 0x03A6 | 0x03A7 |

| Ψ | Ω | Ϊ | Ϋ | ά | έ | ή | ί | ΰ | α | β | γ | δ | ε | ζ | η | θ | ι | κ | λ | μ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x03A8 | 0x03A9 | 0x03AA | 0x03AB | 0x03AC | 0x03AD | 0x03AE | 0x03AF | 0x03B0 | 0x03B1 | 0x03B2 | 0x03B3 | 0x03B4 | 0x03B5 | 0x03B6 | 0x03B7 | 0x03B8 | 0x03B9 | 0x03BA | 0x03BB | 0x03BC |

| ν | ξ | ο | π | ρ | ς | σ | τ | υ | φ | χ | ψ | ω | ϊ | ϋ | ό | ύ | ώ | ˝ | – | — |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x03BD | 0x03BE | 0x03BF | 0x03C0 | 0x03C1 | 0x03C2 | 0x03C3 | 0x03C4 | 0x03C5 | 0x03C6 | 0x03C7 | 0x03C8 | 0x03C9 | 0x03CA | 0x03CB | 0x03CC | 0x03CD | 0x03CE | 0x03F4 | 0x2013 | 0x2014 |

| ' | ' | ‚ | " | " | „ | † | ‡ | • | … | ‰ | ‹ | › | ‾ | Fr | ™ | ∂ | Δ | ∏ | Σ | − |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2018 | 0x2019 | 0x201A | 0x201C | 0x201D | 0x201E | 0x2020 | 0x2021 | 0x2022 | 0x2026 | 0x2030 | 0x2039 | 0x203A | 0x203E | 0x20A3 | 0x2122 | 0x2202 | 0x2206 | 0x220F | 0x2211 | 0x2212 |

| ∕ | ∙ | √ | ∞ | ∫ | ~ | ≈ | ≠ | ≤ | ≥ | ▒ | ◊ |  | fi | fl |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2215 | 0x2219 | 0x221A | 0x221E | 0x222B | 0x223C | 0x2248 | 0x2260 | 0x2264 | 0x2265 | 0x2592 | 0x25CA | 0xF000 | 0xF001 | 0xF002 |

## Ubipfr.3          Font 1: Sharif Light BT, part 1

| 0x0000 | 0x0020 | 0x0021 | 0x0022 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 | 0x0035 | 0x0036 | 0x0037 | 0x0038 | 0x0039 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| □ | | ! | " | ( | ) | * | + | , | . | / | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| 0x003A | 0x003D | 0x005B | 0x005C | 0x005D | 0x00AB | 0x00BB | 0x00D7 | 0x00F7 | 0x060C | 0x061B | 0x061F | 0x0621 | 0x0622 | 0x0623 | 0x0624 | 0x0625 | 0x0626 | 0x0627 | 0x0628 | 0x0629 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0x062A | 0x062B | 0x062C | 0x062D | 0x062E | 0x062F | 0x0630 | 0x0631 | 0x0632 | 0x0633 | 0x0634 | 0x0635 | 0x0636 | 0x0637 | 0x0638 | 0x0639 | 0x063A | 0x0640 | 0x0641 | 0x0642 | 0x0643 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0x0644 | 0x0645 | 0x0646 | 0x0647 | 0x0648 | 0x0649 | 0x064A | 0x064B | 0x064C | 0x064D | 0x064E | 0x064F | 0x0650 | 0x0651 | 0x0652 | 0x0660 | 0x0661 | 0x0662 | 0x0663 | 0x0664 | 0x0665 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0x0666 | 0x0667 | 0x0668 | 0x0669 | 0x066A | 0x200C | 0x200D | 0x200E | 0x200F | 0x2018 | 0x2019 | 0x2212 | 0xF10C | 0xF10D | 0xF10E | 0xF10F | 0xF120 | 0xF121 | 0xF122 | 0xF123 | 0xF124 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF125 | 0xF126 | 0xF127 | 0xF128 | 0xF129 | 0xF12A | 0xF12B | 0xF12C | 0xF12D | 0xF12E | 0xF12F | 0xF130 | 0xF131 | 0xF132 | 0xF133 | 0xF134 | 0xF135 | 0xF136 | 0xF137 | 0xF138 | 0xF139 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF13A | 0xF13B | 0xF13C | 0xF13D | 0xF13E | 0xF13F | 0xF140 | 0xF141 | 0xF142 | 0xF143 | 0xF144 | 0xF145 | 0xF146 | 0xF147 | 0xF148 | 0xF149 | 0xF14A | 0xF14B | 0xF14C | 0xF14D | 0xF14E |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF14F | 0xF150 | 0xF151 | 0xF152 | 0xF153 | 0xF154 | 0xF155 | 0xF156 | 0xF157 | 0xF158 | 0xF159 | 0xF15A | 0xF15B | 0xF15C | 0xF15D | 0xF15E | 0xF15F | 0xF160 | 0xF161 | 0xF162 | 0xF163 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF164 | 0xF165 | 0xF166 | 0xF167 | 0xF168 | 0xF169 | 0xF16A | 0xF16B | 0xF16C | 0xF16D | 0xF16E | 0xF16F | 0xF170 | 0xF171 | 0xF172 | 0xF173 | 0xF174 | 0xF175 | 0xF176 | 0xF177 | 0xF178 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF179 | 0xF17A | 0xF17B | 0xF17C | 0xF17D | 0xF17E | 0xF17F | 0xF1A1 | 0xF1A2 | 0xF1A3 | 0xF1A4 | 0xF1A5 | 0xF1A6 | 0xF1A7 | 0xF1A8 | 0xF1A9 | 0xF1AA | 0xF1AB | 0xF1AC | 0xF1AD | 0xF1AE |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF1AF | 0xF1B0 | 0xF1B1 | 0xF1B2 | 0xF1B3 | 0xF1B4 | 0xF1B5 | 0xF1B6 | 0xF1B7 | 0xF1B8 | 0xF1B9 | 0xF1BA | 0xF1BB | 0xF1BC | 0xF1BD | 0xF1BE | 0xF1BF | 0xF1C0 | 0xF1C1 | 0xF1C2 | 0xF1C3 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ئ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | |

| 0xF1C4 | 0xF1C5 | 0xF1C6 | 0xF1C7 | 0xF1C8 | 0xF1C9 | 0xF1CA | 0xF1CB | 0xF1CC | 0xF1CD | 0xF1CE | 0xF1CF | 0xF1D0 | 0xF1D1 | 0xF1D2 | 0xF1D3 | 0xF1D4 | 0xF1D5 | 0xF1D6 | 0xF1D7 | 0xF1D8 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xF1D9 | 0xF1DA | 0xF1DB | 0xF1DC | 0xF1DD | 0xF1DE | 0xF1DF | 0xF1E0 | 0xF1E1 | 0xFC5E | 0xFC5F | 0xFC60 | 0xFC61 | 0xFC62 | 0xFDF2 | 0xFE80 | 0xFE81 | 0xFE82 | 0xFE83 | 0xFE84 | 0xFE85 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xFE86 | 0xFE87 | 0xFE88 | 0xFE89 | 0xFE8A | 0xFE8B | 0xFE8C | 0xFE8D | 0xFE8E | 0xFE8F | 0xFE90 | 0xFE91 | 0xFE92 | 0xFE93 | 0xFE94 | 0xFE95 | 0xFE96 | 0xFE97 | 0xFE98 | 0xFE99 | 0xFE9A |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xFE9B | 0xFE9C | 0xFE9D | 0xFE9E | 0xFE9F | 0xFEA0 | 0xFEA1 | 0xFEA2 | 0xFEA3 | 0xFEA4 | 0xFEA5 | 0xFEA6 | 0xFEA7 | 0xFEA8 | 0xFEA9 | 0xFEAA | 0xFEAB | 0xFEAC | 0xFEAD | 0xFEAE | 0xFEAF |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

| 0xFEB0 | 0xFEB1 | 0xFEB2 | 0xFEB3 | 0xFEB4 | 0xFEB5 | 0xFEB6 | 0xFEB7 | 0xFEB8 | 0xFEB9 | 0xFEBA | 0xFEBB | 0xFEBC | 0xFEBD | 0xFEBE | 0xFEBF | 0xFEC0 | 0xFEC1 | 0xFEC2 | 0xFEC3 | 0xFEC4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## Ubipfr.3                                   Font 1: Sharif Light BT, part 2

ظ ظ ظ ظ ظ ع ع ع ع غ غ غ غ ف ف ف ف ق ق ق ق ك
0xFEC5 0xFEC6 0xFEC7 0xFEC8 0xFEC9 0xFECA 0xFECB 0xFECC 0xFECD 0xFECE 0xFECF 0xFED0 0xFED1 0xFED2 0xFED3 0xFED4 0xFED5 0xFED6 0xFED7 0xFED8 0xFED9

ك ك ك ك ل ل ل ل م م م م ن ن ن ن ه ه ه ه و و و
0xFEDA 0xFEDB 0xFEDC 0xFEDD 0xFEDE 0xFEDF 0xFEE0 0xFEE1 0xFEE2 0xFEE3 0xFEE4 0xFEE5 0xFEE6 0xFEE7 0xFEE8 0xFEE9 0xFEEA 0xFEEB 0xFEEC 0xFEED 0xFEEE

ى ى ي ي ي ي لآ لآ لأ لأ لإ لإ لا لا
0xFEEF 0xFEF0 0xFEF1 0xFEF2 0xFEF3 0xFEF4 0xFEF5 0xFEF6 0xFEF7 0xFEF8 0xFEF9 0xFEFA 0xFEFB 0xFEFC

## Ubipfr.3                                     Font 2: Hadassah BT

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0000 | 0x0020 | 0x0021 | 0x0023 | 0x0024 | 0x0025 | 0x0026 | 0x0028 | 0x0029 | 0x002A | 0x002B | 0x002C | 0x002D | 0x002E | 0x002F | 0x0030 | 0x0031 | 0x0032 | 0x0033 | 0x0034 | 0x0035 |

| 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | [ | \ | ] | ^ | _ | { | \| | } | ~ | £ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x0036 | 0x0037 | 0x0038 | 0x0039 | 0x003A | 0x003B | 0x003C | 0x003D | 0x003E | 0x003F | 0x0040 | 0x005B | 0x005C | 0x005D | 0x005E | 0x005F | 0x007B | 0x007C | 0x007D | 0x007E | 0x00A3 |

| § | ° | 2 | 3 | 1 | ¼ | ½ | ¾ | × | ÷ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x00A7 | 0x00B0 | 0x00B2 | 0x00B3 | 0x00B9 | 0x00BC | 0x00BD | 0x00BE | 0x00D7 | 0x00F7 | 0x05B0 | 0x05B1 | 0x05B2 | 0x05B3 | 0x05B4 | 0x05B5 | 0x05B6 | 0x05B7 | 0x05B8 | 0x05B9 | 0x05BB |

| | | | | | | | | | | : | | א | ב | ג | ד | ה | ו | ז | ח | ט | י | כ | ך | כ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x05BC | 0x05BD | 0x05BE | 0x05BF | 0x05C0 | 0x05C1 | 0x05C2 | 0x05C3 | 0x05C4 | 0x05D0 | 0x05D1 | 0x05D2 | 0x05D3 | 0x05D4 | 0x05D5 | 0x05D6 | 0x05D7 | 0x05D8 | 0x05D9 | 0x05DA | 0x05DB |

| ל | ם | מ | ן | נ | ס | ע | ף | פ | ץ | צ | ק | ר | ש | ת | ' | " | ‏ | ‎ | - | – |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x05DC | 0x05DD | 0x05DE | 0x05DF | 0x05E0 | 0x05E1 | 0x05E2 | 0x05E3 | 0x05E4 | 0x05E5 | 0x05E6 | 0x05E7 | 0x05E8 | 0x05E9 | 0x05EA | 0x05F3 | 0x05F4 | 0x200E | 0x200F | 0x2012 | 0x2013 |

| — | • | … | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ₪ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2015 | 0x2022 | 0x2026 | 0x2070 | 0x2074 | 0x2075 | 0x2076 | 0x2077 | 0x2078 | 0x2079 | 0x2080 | 0x2081 | 0x2082 | 0x2083 | 0x2084 | 0x2085 | 0x2086 | 0x2087 | 0x2088 | 0x2089 | 0x20AA |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0x2153 | 0x2154 | 0xF020 | 0xF021 | 0xF022 | 0xF023 | 0xF024 | 0xF025 | 0xF026 | 0xF027 | 0xF028 | 0xF029 | 0xF02A | 0xF02B | 0xF02C | 0xF02D | 0xF02E | 0xF02F | 0xF030 | 0xF031 | 0xF032 |

| 3 | 4 | 5 | 6 | 7 | 8 | 9 | : | ; | < | = | > | ? | @ | ו | ך | ך | ל | ל | ש | ש |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF033 | 0xF034 | 0xF035 | 0xF036 | 0xF037 | 0xF038 | 0xF039 | 0xF03A | 0xF03B | 0xF03C | 0xF03D | 0xF03E | 0xF03F | 0xF040 | 0xF042 | 0xF043 | 0xF045 | 0xF047 | 0xF048 | 0xF04C | 0xF04D |

| ש | ש | – | — | [ | \ | ] | ^ | _ | ב | ג | ד | ה | ו | ז | ט | י | ך | כ | ל | מ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF04E | 0xF04F | 0xF059 | 0xF05A | 0xF05B | 0xF05C | 0xF05D | 0xF05E | 0xF05F | 0xF061 | 0xF062 | 0xF063 | 0xF064 | 0xF065 | 0xF066 | 0xF068 | 0xF069 | 0xF06A | 0xF06B | 0xF06C | 0xF06E |

| ן | ס | פ | צ | ק | ש | ת | { | \| | } | ~ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF070 | 0xF071 | 0xF074 | 0xF076 | 0xF077 | 0xF079 | 0xF07A | 0xF07B | 0xF07C | 0xF07D | 0xF07E | 0xF080 | 0xF081 | 0xF082 | 0xF083 | 0xF084 | 0xF085 | 0xF086 | 0xF087 | 0xF088 | 0xF089 |

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ⅓ | ⅔ | … | - | £ | ₪ | § | × | ° | • | ÷ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF090 | 0xF091 | 0xF092 | 0xF093 | 0xF094 | 0xF095 | 0xF096 | 0xF097 | 0xF098 | 0xF099 | 0xF09C | 0xF09D | 0xF09E | 0xF09F | 0xF0A3 | 0xF0A4 | 0xF0A7 | 0xF0AA | 0xF0B0 | 0xF0B7 | 0xF0BA |

| ¼ | ½ | ¾ | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF0BC | 0xF0BD | 0xF0BE | 0xF0C0 | 0xF0C1 | 0xF0C2 | 0xF0C3 | 0xF0C4 | 0xF0C5 | 0xF0C6 | 0xF0C7 | 0xF0C8 | 0xF0C9 | 0xF0CA | 0xF0CB | 0xF0CC | 0xF0CD | 0xF0CE | 0xF0CF | 0xF0D0 | 0xF0D1 |

| | : | א | ב | ג | ד | ה | ו | ז | ח | ט | י | ך | כ | ל | ם | מ | ן | נ | ס | ע |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF0D2 | 0xF0D3 | 0xF0E0 | 0xF0E1 | 0xF0E2 | 0xF0E3 | 0xF0E4 | 0xF0E5 | 0xF0E6 | 0xF0E7 | 0xF0E8 | 0xF0E9 | 0xF0EA | 0xF0EB | 0xF0EC | 0xF0ED | 0xF0EE | 0xF0EF | 0xF0F0 | 0xF0F1 | 0xF0F2 |

| ף | פ | ץ | צ | ק | ר | ש | ת | ‏ | ‎ | ש | ש | ש | ש | ב | ג | ד | ה | ו | ז | ט |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xF0F3 | 0xF0F4 | 0xF0F5 | 0xF0F6 | 0xF0F7 | 0xF0F8 | 0xF0F9 | 0xF0FA | 0xF0FD | 0xF0FE | 0xFB2A | 0xFB2B | 0xFB2C | 0xFB2D | 0xFB31 | 0xFB32 | 0xFB33 | 0xFB34 | 0xFB35 | 0xFB36 | 0xFB38 |

| י | ך | כ | ל | מ | נ | ס | פ | צ | ק | ש | ת | ו | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0xFB39 | 0xFB3A | 0xFB3B | 0xFB3C | 0xFB3E | 0xFB40 | 0xFB41 | 0xFB44 | 0xFB46 | 0xFB47 | 0xFB49 | 0xFB4A | 0xFB4B | | | | | | | | |