FONTFONT OPENTYPE®

FONTFONT INFO GUIDE FOR

# FF Quadraat Sans Black

## OT | Pro

SECTIONS


A | Introduction to OpenType®

B | Font and Designer Information

C | Supported Layout Features

D | Language Support

E | Type Specimens

SECTION A

# INTRODUCTION TO OPENTYPE®

## WHAT IS OPENTYPE?

OpenType® is a cross-platform font file format developed jointly by Adobe and Microsoft. The two main benefits of the OpenType format are its cross-platform compatibility (the same font file works on Macintosh and Windows computers), and its ability to support widely expanded character sets and layout features, which provide rich linguistic support and advanced typographic control.

OpenType fonts can be installed and used alongside PostScript® Type 1 and TrueType fonts.

The range of supported layout features may differ in the various FontFont OpenType packages, therefore each OpenType package will be accompanied by this FF Info Guide listing the layout features supported by this specific font package.

You'll find a glossary of all available OpenType layout features in Section B of the general FF OpenType User Guide.

Please see the FontFont OpenType® User Guide at http://www.fontfont.com/opentype

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# Handgloves

## ABOUT FF QUADRAAT SANS BLACK

FF Quadraat Sans is a companion family to Fred Smeijers's FF Quadraat. With FF Quadraat Sans, Smeijers follows a trend from his fellow Dutchman, Jan van Krimpen. Earlier in the 20th century, van Krimpen's Romulus design was one of the first examples of a classic serif typeface to be augmented with a sans serif variant. It was not until the late eighties that this idea became more popular. Some well-known contemporary takes on this are ITC Stone or FF Scala, for example. Both typefaces give designers the opportunity to make use of well adapted sans serif variations.

FF Quadraat follows this tradition. Sans serif typefaces can look very much alike, especially in the bolder variations. This is certainly not the case with FF Quadraat Sans. FF Quadraat Sans has display qualities, but is an efficient typeface and is suitable for longer texts, too.

Over the years, FF Quadraat has grown into a rather large system of complementary families. In addition to FF Quadraat Sans, Smeijers has also created a monospaced sans design: FF Quadraat Sans Mono.

## ABOUT FRED SMEIJERS

Fred Smeijers is a type designer who specializes in typographic research and development for product manufacturers. Among his typeface designs are FF Quadraat and FF Quadraat Sans, TEFF Renard, and the typefaces published by OurType: Arnhem, Custodia, Fresco, Monitor, Sansa and Ludwig.

Born in The Netherlands, Smeijers studied graphic design at the Academy of Art in Arnhem. His first practice came in the mid-1980s with the firm of Océ, just then entering the field of typography with laser printers. This set the pattern for Smeijers's long engagement with type design in its most functional applications, as part of product design. After five years he left to work in graphic design, helping to establish the group Quadraat (in Arnhem). The name of the design group was also given to his first published typeface: FF Quadraat, launched in 1992. His work of the 1990s included the expansion of the Quadraat family, type and lettering design jobs for Philips, collaboration on Martin Majoor's Telefont type design, typefaces such as TEFF Renard and Romanée, and his first book -

Counterpunch.

With the award of the Gerrit Noordzij Prize in 2000, Smeijers's achievements in the field of practice, research and education were formally recognized. This prize included a retrospective exhibition of his work, held in The Hague in 2003 and in London in 2004. His second book Type now was also published in 2003, as a further part of the GN award. Smeijers lectures on type design and type history at the leading European type design schools: Royal Academy of Arts (KABK, The Hague), Hochschule für Grafik und Buchkunst (HGB, Leipzig), University of Reading (Reading, UK), Ecole cantonale d'art de Lausanne (ECAL, CH) among others.

Fred Smeijers is the co-founder and creative director of OurType.



FF Quadraat Sans Black

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SECTION C

# SUPPORTED LAYOUT FEATURES

## FONTFONT OPENTYPE®

| | | EXAMPLES |
|---|---|---|
| fi | STANDARD LIGATURES | fiffbft ▸ fiffbft |
| ct | DISCRETIONARY LIGATURES | ANThett ▸ ANThett |
| f | HISTORICAL FORMS | hist ▸ hiſt |
| aA | SMALL CAPITALS | Small ▸ SMALL |
| AA | SMALL CAPITALS FROM CAPITALS | CAPS ▸ CAPS |
| [S] | CASE-SENSITIVE FORMS | (H-o) ▸ (H-O) |
| I⇄I | CAPITAL SPACING | HOH ▸ HOH |
| 13 | LINING FIGURES | 167 ▸ 167<br>167 ▸ 167 |



FF Quadraat Sans Black

| | EXAMPLES |
|---|---|
| PROPORTIONAL FIGURES | 167 ▸ 167<br>167 ▸ 167 |
| TABULAR FIGURES | 167 ▸ 167<br>167 ▸ 167 |
| FRACTIONS | 2 5/16 ▸ 2 5/16 |
| NUMERATORS | 123/ ▸ 123/ |
| DENOMINATORS | /123 ▸ /123 |
| ORDINALS | 1a2o ▸ 1a2o |
| SCIENTIFIC INFERIORS | CO2 ▸ $CO_2$ |
| SUPERSCRIPT | m3 ▸ $m^3$ |



FF Quadraat Sans Black

| | | EXAMPLES |
|---|---|---|
| $N_2$ | SUBSCRIPT | N2 ▶ $N_2$ |
| 00 | SLASHED ZERO | 0 ▶ 0 |
| Jjj | ACCESS ALL ALTERNATES | 1 ▶ $111_{11}{}^{1}$ |
| 02 | STYLISTIC SET 2 | hist ▶ hiſt |
| ȘȘ | LOCALIZED FORMS | ȘșȚț ▶ ȘșȚț |



FF Quadraat Sans Black

SECTION D

# LANGUAGE SUPPORT

## SUPPORTED CODE PAGES STANDARD

STD

### MACOS

MACOS ICELANDIC
MACOS ROMAN

### IBM

IBM-37 UNITED STATES - EBCDIC (IBM-28709)
IBM-273 GERMANY - EBCDIC
IBM-277 DENMARK, NORWAY - EBCDIC
IBM-278 FINLAND, SWEDEN - EBCDIC
IBM-280 ITALY - EBCDIC
IBM-282
IBM-284 SPAIN, LATIN AMERICA - EBCDIC
IBM-285 UNITED KINGDOM - EBCDIC
IBM-297 FRANCE - EBCDIC
IBM-361 INTERNATIONAL - PUBLISHING
IBM-382 AUSTRIA, GERMANY - PUBLISHING
IBM-383 BELGIUM - PUBLISHING
IBM-385 CANADA (FRENCH) - PUBLISHING
IBM-386 DENMARK, NORWAY - PUBLISHING
IBM-387 FINLAND, SWEDEN - PUBLISHING
IBM-388 FRANCE - PUBLISHING
IBM-389 ITALY - PUBLISHING
IBM-391 PORTUGAL - PUBLISHING
IBM-392 SPAIN - PUBLISHING
IBM-393 LATIN AMERICA - PUBLISHING
IBM-394 UNITED KINGDOM - PUBLISHING
IBM-395 UNITED STATES - PUBLISHING
IBM-500 INTERNATIONAL - EBCDIC
IBM-871 ICELAND - EBCDIC
IBM-1047 OPEN SYSTEMS - EBCDIC

### WINDOWS

MS WINDOWS 1252 LATIN 1

### ISO

ISO 8859- 1 W EU LATIN 1
ISO 8859-15 WEST EUROPE LATIN 9

## ADDITIONAL SUPPORTED CODE PAGES PRO

PRO

### MACOS

MACOS CENTRAL EUROPE
MACOS CROATIAN
MACOS CYRILLIC
MACOS ROMANIAN
MACOS TURKISH
MACOS UKRAINIAN

### IBM

IBM-921 BALTIC
IBM-1025 CYRILLIC - EBCDIC
IBM-1112 BALTIC - EBCDIC
IBM-1123
IBM-1124

### WINDOWS

MS WINDOWS 1250 EASTERN EUROPEAN
MS WINDOWS 1251 CYRILLIC
MS WINDOWS 1254 TURKISH
MS WINDOWS 1257 BALTIC

### ISO

ISO 8859- 2 C EU LATIN 2
ISO 8859- 3 TU, MALT, GAL, ESP LATIN 3
ISO 8859- 4 BALTIC LATIN 6
ISO 8859- 5 CYRILLIC
ISO 8859- 9 W EU+TURKISH LATIN 5
ISO 8859-10 SCANDINAVIAN LATIN 6
ISO 8859-13 BALTIC LATIN 7
ISO 8859-16 SOUTHEAST EUROPE LATIN 10

**SUPPORTED LANGUAGES STANDARD**

STD

Afrikaans
Albanian
Amharic (ethiopic) [Romanization system BGN/PCGN 1967]
Arvanitika (latin)
Asturian
Baraba Tatar
Bats (latin)
Bislama
Breton
Burmese (burmese) [Romanization; BGN/PCGN 1970]
Catalan
Chamorro
Danish
Dutch
English
Estonian
Faeroese
Finnish
Franco-Provencal
French
Frisian
Frisian, East
Frisian, North
Frisian, West
Friulian
Galician
German
Greek (greek) [Romanization; BGN/PCGN 1962]
Greenlandic
Icelandic
Indonesian
Interlingua
Irish
Italian
Japanese (sino-japanese) [Romanization; Kunrei]
Karaim (latin)
Kazan Tatar (latin)
Kurdish (latin)
Kyrgyz (cyrillic) [Romanization; BGN/PCGN 1979]
Ladin
Laotian (laotian) [Romanization; National]
Low German
Luxembourgian
Malagasy
Malay (latin)
Manx Gaelic
Norwegian, Bokmål
Norwegian, Nynorsk
Occitan
Pilipino (Tagalog)
Portuguese
Rhaeto-Romance
Romansch
Russian (cyrillic) [Romanization; BGN/PCGN 1947]
Sami, Southern
Sami, Ume
Scottish Gaelic
Somali
Sotho, Northern
Sotho, Southern
Spanish
Swedish
Tahitian
Tsakhur (latin)
Tsonga
Tswana
Turkmen (cyrillic) [Romanization; BGN/PCGN 1979]
Ukrainian (cyrillic) [Romanization; National, 1993]
Walloon
Xhosa
Yapese
Yiddish [Romanization]
Zulu

## ADDITIONAL SUPPORTED LANGUAGES PRO

PRO

Abaza
Adyghe
Älvdalska
Amharic (ethiopic) [Romanization; UN 1967]
Aragonese
Archi
Arumanian
Avar
Azerbaijani (cyrillic)
Azerbaijani (latin)
Balk
Basque
Belarusian (Cyrillic)
Belarusian (latin)
Bosnian (cyrillic)
Bosnian (latin)
Botlikh
Budukh
Bulgarian
Bulgarian (cyrillic) [Romanization; BGN/PCGN 1952]
Buryat
Chechen (cyrillic)
Chichewa
Cook Islands Maori
Crimean Tatar (latin)
Croatian
Czech
Dargin
Dungan
Erzya
Esperanto
Gagauz (latin)
Godoberi
Greenlandic (pre-1973)
Hawaiian
Hungarian
Ingush
Istro-Romanian
Japanese (sino-japanese) [Romanization; Modified Hepburn]
Kabardian
Kalmyk
Karachay-Balkar
Karaim (cyrillic)
Kara-Kalpak
Kashubian
Kazakh
Kazakh (cyrillic) [Romanization; BGN/PCGN 1979]
Kazan Tatar (cyrillic)
Khinalug
Khmer (khmer) [Romanization; UN 1972]
Korean (hangul) [Romanization; 1939 & 1984]
Kryts
Kumyk
Kurdish (cyrillic)
Kurmanji
Ladino (latin)
Lak
Latin
Latvian
Lezgi
Lithuanian
Macedonian
Macedonian (cyrillic) [Romanization; UN 1977]
Maltese
Maori
Marshallese
Moksha
Moldavian (latin)
Mongolian (cyrillic)
Mongolian (cyrillic) [Romanization; BGN/PCGN 1964]
Nanai
Nogay
Polish
Portunhol
Romani (latin)
Romanian

Russian
Russian (cyrillic) [Romanization; Russian Academy of Sciences system]
Russian (cyrillic) [Romanization; UN 1987, National]
Rusyn
Rutul
Sami, Inari
Sami, Lule
Sami, Northern
Samoan
Sardinian
Serbian (latin)
Slovak
Slovenian
Sorbian, Lower
Sorbian, Upper
Tabasaran
Tajik
Tajik (cyrillic) [Romanization; BGN/PCGN 1994]
Talysh (cyrillic)
Tatar
Tati
Tongan
Tsakhur (cyrillic)
Turkish
Turkmen
Tuvinian (Tuvan)
Ubykh
Udi
Ukrainian
Uzbek
Uzbek (cyrillic) [Romanization; BGN/PCGN 1979]
Våmhusmål
Vepsian
Wallisian
Welsh
Wolof

## Supported Unicode Ranges

| Title | Number of Characters STD | PRO | Examples |
|---|---|---|---|
| Basic Latin | 97 | 97 | ! " # ... \| } ~ |
| Latin-1 Supplement | 96 | 96 | ¡ ¢ £ ... ý þ ÿ |
| Latin Extended-A | 13 | 128 | Ā ā Ă ... Ž ž ſ |
| Latin Extended-B | 1 | 13 | Ə ƒ Ǻ ... Ţ ţ ȷ |
| IPA Extensions | | 1 | ə |
| Spacing Modifier Letters | 11 | 11 | ‘ ’ ^ ... ˛ ˜ ˝ |
| Combining Diacritical Marks | 16 | 16 | ` ´ ... ˆ ¸ ˛ ˛ |
| Greek and Coptic | 4 | 4 | Δ Ω µ π |
| Cyrillic | | 136 | È Ë Ђ ... ѳ Ӯ ӯ |
| Latin Extended Additional | | 8 | Ẁ ẁ Ẃ ... ẅ Ỳ ỳ |
| General Punctuation | 19 | 19 | – — ‘ ... ‹ › / |
| Superscripts and Subscripts | 41 | 41 | o i 4 ... p s t |
| Currency Symbols | 2 | 2 | € ₴ |
| Letterlike Symbols | 5 | 5 | ℓ № ™ Ω ℮ |

| Title | Number of Characters STD | PRO | Examples |
|---|---|---|---|
| Number Forms | 17 | 17 | ⅐ ⅑ ⅒ ... ⅞ ⅟ ⅔ |
| Arrows | 8 | 8 | ← ↑ → ... ↗ ↘ ↙ |
| Mathematical Operators | 14 | 14 | ∂ ∆ ∏ ... ≤ ≥ ∙ |
| Geometric Shapes | 11 | 11 | ■ □ ▶ ... ● ◘ ■ |
| Miscellaneous Symbols | 1 | 1 | ★ |
| Alphabetic Presentation Forms | 5 | 5 | ﬀ ﬁ ﬂ ﬃ ﬄ |
| Arabic Presentation Forms-B | 1 | 1 | |

## FF Quadraat Sans Black

# Shag pile i13

# AaBbCcDdEeFfGgHhIiJjKkLlM

**abcdefghijklmnopqrstuvwxyz 0123456789**

**ABCDEFGHIJKLMNOPQRSTUVWXYZ**

FF Quadraat Sans Black 14/16 pt

**Sempre domenica prenderà vita una giornata Gut getarnt im Neptungras steht ein Kuckuckslipp. Serán, a juicio de los científicos, tres épocas Onks tää vika kysymys. Hän on**

FF Quadraat Sans Black 12/14 pt

**Sempre domenica prenderà vita una giornata Gut getarnt im Neptungras steht ein Kuckuckslipp. Serán, a juicio de los científicos, tres épocas Onks tää vika kysymys. Hän on työskennellyt Il y aurait bien de choses à dire là-**

FF Quadraat Sans Black 10/12 pt

**Sempre domenica prenderà vita una giornata Gut getarnt im Neptungras steht ein Kuckuckslipp. Serán, a juicio de los científicos, tres épocas Onks tää vika kysymys. Hän on työskennellyt Il y aurait bien de choses à dire là-dessus. Several tenors sing in culturally void display. Eigentlich wollen die Leute nur die Sonne**

FF Quadraat Sans Black 8/10 pt

**Sempre domenica prenderà vita una giornata Gut getarnt im Neptungras steht ein Kuckuckslipp. Serán, a juicio de los científicos, tres épocas Onks tää vika kysymys. Hän on työskennellyt Il y aurait bien de choses à dire là-dessus. Several tenors sing in culturally void display. Eigentlich wollen die Leute nur die Sonne genießen. Ayer, todavía en pleno echazo, celebraban su aniversario**