



MD IO

MD IO's design emphasises *legibility* (the ease of identifying individual glyphs) as opposed to *readability* (the comfort and speed of overall reading).

To make that possible for very detailed glyphs (like M or #), as well as in extremely bold weights and at small sizes, the design makes use of prominent ink traps where strokes meet.

Up close, these are a striking design feature, but at text sizes they all but disappear—resulting in glyphs which look normal, but render sharper and more legibly.



Along with ensuring individual glyphs are legible, MD IO also maintains a clear and distinct separation between upright and italic styles. The italics are not just slanted variants of the roman forms but cursive constructions, producing a texture that can easily be identified in code or written text.

The italic styles of MD IO also feature uniquely orthogonal horizontal stroke endings. Originally implemented as a straightforward rendering improvement for text on screen, this has become a graphic feature in the boldest weights and largest display sizes.

Roman

Thin
Light
Regular
Medium
Semibold
Bold
Black
Ultra

Italic

Thin Italic
Light Italic
Italic
Medium Italic
Semibold Italic
Bold Italic
Black Italic
Ultra Italic



MD IO was designed alongside a proportional sibling, [MD UI](#). While they share a common visual language, neither typeface is intended to perfectly match the other: where IO prioritises single-glyph legibility, UI focuses on word- and sentence-level reading performance.

Nevertheless, they share metrics wherever possible, including weights and vertical proportions. MD IO and MD UI's XS cut have (perceptually) the same overall spacing and ink trap size.

24pt MD IO

You were told to "Report to Caius
Transferred 2653 bytes in 0.031
VERMEER, J. "Meisje met de Pa
 The magnetic field of Jupiter cr
An Introduction to Wire Bending
[I/O Setup] Registered 5 inputs
The train now approaching Platform
Orbital Mechanics 101: Introduction

24pt MD UI XS

Legible Forms

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Transferred 2653 bytes in 0.031
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[I/O Setup] Registered 5 inputs
The train now approaching Platform
Orbital Mechanics 101: Introduction



96pt -15%

Astronaut 23-A9

72/72pt -10%

Slashed Zero

[1206] DESIGNER ITEM
Anodized Material 1

40/48pt -5%

LOS ANGELES. NOVEMBER 2019. OPENING
An Alternative History of Blade Run
349 Electric Sheep Count (Addition)



96pt -15%

Prototypical Is

72/72pt -10%

NETWORK ADAPTER MODU
Rated for 240V AC a

40/48pt -5%

INDUSTRIAL SECTORS 35-41 AND 45-52
Straßenbahn Timetable (Print Versio
"Outer District Express" departure



96pt -15%

Industry 2034 R

72/72pt -10%

IRON FORGE 1560°C ±
Avoid Eye Contact d

40/48pt -5%

5-YEAR COMPONENT WARRANTY WHEN REG
Manufacturing Processes Likely to
Paragraph 49.c.3 Details Exception



96pt -15%

Electrostatic C

72/72pt -10%

BAUHAUS & THE ULM S
32 Designed Objects

40/48pt -5%

METROPOLITAN MUSEUM OF ART • TICKE
Functionalist Aesthetics for Modern
Operating: [1893-1973] Original Loc



96pt -15%

26 Vinyl PVC De

72/72pt -10%

FORMICA & MELAMINE
1934 "Zephyr" Radio

40/48pt -5%

CHROME PLATED STEEL CHAIR • 2012,
Digital Versatile Discs (DVDs) Pro
206 Cantilevered Assembly in Alumi



96pt -15%

Slashed Zero

Maximum 500T Un

72/72pt -10%

Solid Circled Numbers

**CONCESSIONS DESK LOC
Risograph Print ③ A**

40/48pt -5%

***“PROGRAMMABLE MICROCHIPS” AVAILABLE
3½ Hours Each Day Saved When Replac
Visitors to International Expositio***



96pt -15%

' Archaeology St

72/72pt -10%

NASA ADV. PROJECT D.
Jet Propulsion Labor

40/48pt -5%

[20] NEW OPERATION MANUAL FOR MODE
Objective Departures Area B7 • Pric
Desks M3-N1 & N3. (North Entrance)



96pt -15%

Interface 365

72/72pt -10%

**USER INTERACTION DESIGN
Development & Operations**

40/48pt -5%

**100% CODE COVERAGE REACHED, ALL TESTS
Reviews In Progress (#6) – Awaiting
It's now safe to turn off your computer**



16/20pt

WITH OVER 400 ACTIVE VOLCANOES, Io is *the most geologically active object* in the Solar System. This extreme geologic activity is the result of *tidal heating from friction* generated within Io's interior as it is pulled *between Jupiter and the other Galilean moons (Europa, Ganymede and Callisto)*. Several volcanoes produce plumes of sulfur and

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11/13.5pt

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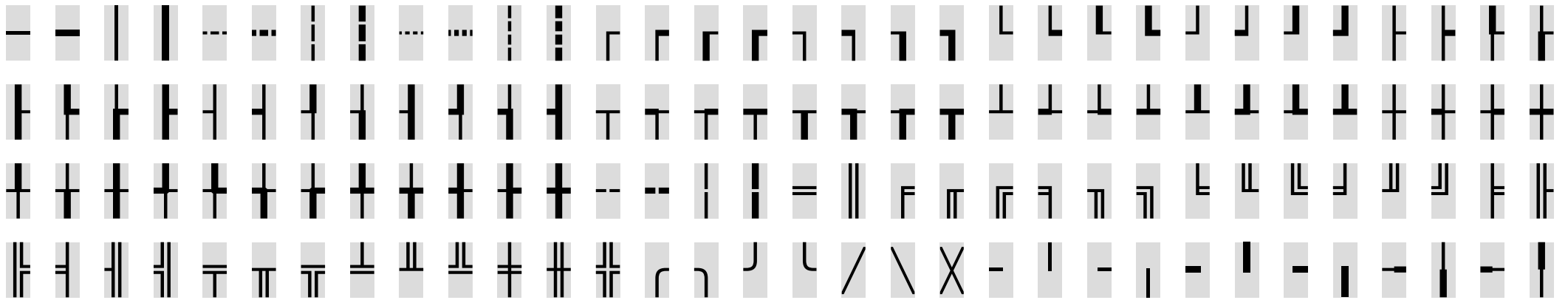
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Block Elements



Box Drawing





ss01 Alternate ß (Stylistic Set 1)

Stra^ße Straße

ss03 Solid Circled Numbers (Stylistic Set 3)

Line 3 Line ③

sup^s Superscript $x_2 + 4y_3$ $x^2 + 4y^3$

frac Arbitrary Fractions

1 17/24 1 1⁷/24

calt Contextual Alternates (Code Ligatures)

<! -- <! --

ss02 Circled Numbers (Stylistic Set 2)

Line 2 Line ②

ordn Ordinals

1^o 2^a 1^o 2^a

subs Subscript (also sinf Scientific Inferiors)

C₆H₁₂O₆ C₆H₁₂O₆

zero Slashed Zero (also ss04 Stylistic Set 4)

10% E²⁰ 10% E²⁰

loc1 Localised Forms (Romanian & Moldavian, Northern Sámi)

ȘȚ ŋ ȘȚ Ŋ



4 Characters

<!--

3 Characters

/// ... </> <<= <=< <=> <::< <::: <|| --> >=> >::: !=
 =/= =<= =>> =>= ::=: :<: :>: ::< ::> :// ::: ||> ||=

2 Characters

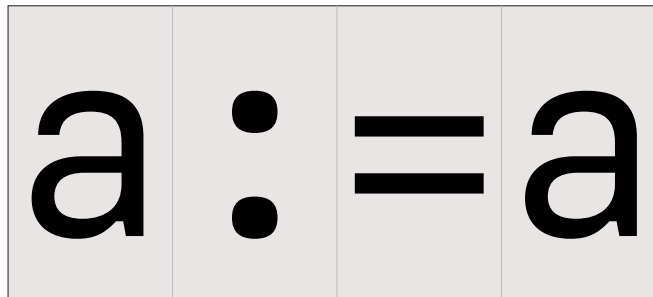
// /> /= /* ?? .. </ <- <= <: -> >:
 !! != => :< :> := :: |= || */ --

Ligatures for Code

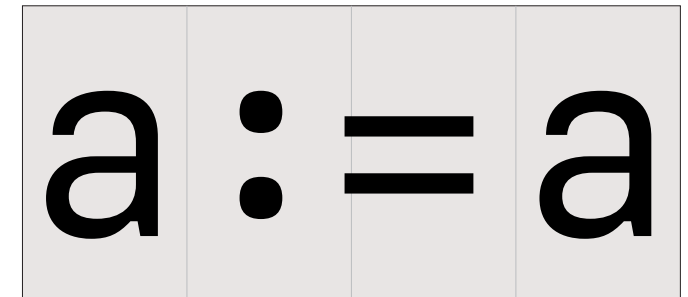
MD IO's code 'ligatures' work a little differently from other fonts. Rather than true ligatures (single drawings meant to replace sets of multiple characters), the feature dynamically *moves* glyphs while keeping the underlying characters legible.

That means syntax highlighting and tracking still work—and because the glyphs remain semantically unchanged, there's no confusion about what a ligature represents.

Since this context-sensitive repositioning doesn't create the same accessibility issues as traditional code ligatures, it's enabled by default in supported applications (including Xcode and VS Code). You can disable it manually by turning off the `call` (Contextual Alternates) OpenType feature.



Ligatures off. The baseline-aligned lower dot, and wider spaces around the colon compared with the equal sign, cause the alignment to appear uneven.



Ligatures on. The lower dot of the colon is shifted upwards, and both glyphs are repositioned for more balanced spacing.

(Thanks to Johannes from [Finaltype](#) for introducing this dynamic positioning concept, and for advising on our implementation.)



Abkhazian	Faroese	Koyra Chiini	Niuean	Swati
Acehnese	Fijian	Koyraboro Senni	Nogai	Swedish
Adangme	Filipino	Kuanyama	North Ndebele	Swiss German
Adyghe	Finnish	Kumyk	North Sámi	Tahitian
Afrikaans	Fon	Kurukh	Northern Sotho	Taita
Akan	French	Kwasio	Norwegian Bokmål	Taroko
Albanian	Friulian	Ladino	Norwegian Nynorsk	Tasawaq
Aleut	Fula	Latin	Nyanja	Teso
Angika	Ga	Latvian	Nyankole	Tetum
Aragonese	Galician	Lezghian	Oromoo	Timne
Arapaho	Ganda	Limburgish	Palauan	Tok Pisin
Aromanian	German	Lingala	Pampanga	Tongan
Asturian	Gilbertese	Lithuanian	Pangasinan	Tsonga
Asu	Gorontalo	Lojban	Papiamento	Tswana
Avaric	Guarani	Louisiana Creole	Pite Sámi	Tumbuka
Awadhi	Gusii	Lower Sorbian	Polish	Turkish
Aymara	Gwich'in	Lozi	Portuguese	Turkmen
Azerbaijani	Haitian Creole	Luba-Katanga	Quechua	Tuvalu
Bafia	Hausa	Luba-Lulua	Rapanui	Tuvinian
Balinese	Hawaiian	Lule Sami	Rarotongan	Tyap
Bambara	Herero	Lunda	Romanian	Udmurt
Basque	Hiligaynon	Luo	Romansh	Umbundu
Bemba	Hungarian	Luxembourgish	Rombo	Ume Sámi
Bena	Hupa	Luyia	Rundi	Upper Sorbian
Bini	Iban	Machame	Rwa	Uzbek
Bislama	Ibibio	Madurese	Samburu	Vai
Bosnian	Icelandic	Magahi	Samoan	Vietnamese
Breton	Ido	Makasar	Sandawe	Vunjo
Buginese	Igbo	Makhuwa-Meetto	Sango	Walloon
Cajun French	Iloko	Makonde	Sangu	Waray
Catalan	Inari Sami	Malagasy	Sardinian	Welsh
Cebuano	Indonesian	Malay	Scots	Wolastoqey
Chamorro	Interlingua	Maltese	Scottish Gaelic	Wolof
Cheyenne	Irish	Manx	Sena	Xhosa
Chickasaw	Italian	Māori	Serbian	Yangben
Chiga	Javanese	Mapuche	Shambala	Yemba
Chuukese	Jju	Mari	Shan	Zarma
Colognian	Jola-Fonyi	Marshallese	Shona	Zaza
Comorian	Kabardian	Mende	Sicilian	Zulu
Cornish	Kabuverdianu	Meru	Siksiká	Zuni
Corsican	Kachin	Meta'	Skolt Sami	
Croatian	Kako	Mi'kmaw	Slovak	
Czech	Kalaallisut	Minangkabau	Slovenian	
Dakota	Kalenjin	Mirandese	Soga	
Danish	Kalmyk	Mizo	Somali	
Dargwa	Kamba	Mohawk	Soninke	
Dazaga	Kanuri	Moksha	South Ndebele	
Dogrib	Karachay-Balkar	Morisyen	South Sámi	
Duala	Karelian	Mossi	Southern Altai	
Dutch	Khasi	Mvskoke	Southern Sotho	
Efik	Kikuyu	Nauru	Spanish	
Ekajuk	Kimbundu	Ndonga	Sranan Tongo	
Embu	Kinyarwanda	Neapolitan	Sukuma	
English	Klingon	Newari	Sundanese	
Esperanto	Komi	Ngambay	Swahili	
Estonian	Koro	Nias		

Showing 264 of a total 424 supported languages.

[See our website for a full, searchable list.](#)

For languages with multiple scripts or writing systems, only the Latin is supported (unless noted otherwise).



Credits	Designed by Rutherford Craze. With thanks to the team at Future Fonts, and to everyone who licensed MD IO or provided feedback during the development of the typeface.	
Version No.	2.001	
First Available	January 2021	
Last Updated	May 2026	
Total Styles	16	
Glyphs Per Style	873	
UPM	1000	
Cap Height	690	
x-Height	516–536	
Ascender	740	
Descender	–190	
Italic Angle	9–10°	
Filesize	OTF:	127–137 KB
	WOFF2:	41–47 KB
	TTF (VF):	218 KB
	WOFF2 (VF):	91 KB
Contours	Desktop:	Cubic (CFF)
	Web:	Cubic/Quadratic (CFF/TTF)
	Variable:	Quadratic (TTF) (Unhinted)
Licensing	MD IO may be used only as permitted by the terms of the Mass-Driver License Agreement. https://mass-driver.com/licensing	



Style	wght Weight	ital Italic
Thin	200	0
Thin Italic	200	1
Light	300	0
Light Italic	300	1
Regular	400	0
Italic	400	1
Medium	500	0
Medium Italic	500	1
Semibold	600	0
Semibold Italic	600	1
Bold	700	0
Bold Italic	700	1
Black	800	0
Black Italic	800	1
Ultra	900	0
Ultra Italic	900	1

MD IO Variable 200 ... 900 0, 1

Available on request



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