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# **GFM Asset Management** How to Find and Choose Different Bonds in 2024

**Tariq Dennison** TEP, Wealth Manager GFM Asset Management

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As with all investments, your capital is at risk



# Bonds on IBKR 101 How to find the names, terms & yields you want by Tariq Dennison 10 January 2024

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# About Tariq Dennison

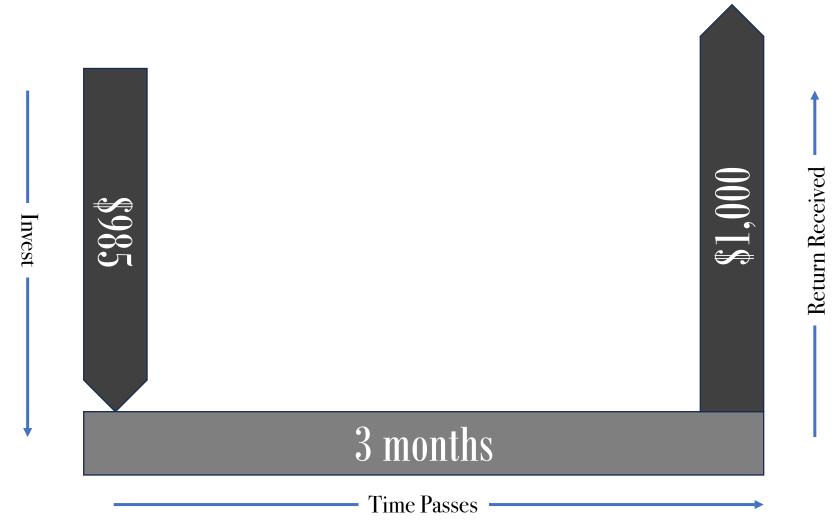
- Independent Advisor on IBKR Platform
  - US: GFM Asset Management LLC
  - Hong Kong: GFM Group Limited
  - Switzerland: Dennison Wealth
- Market Experience Since 1998
  - Firms: Bear Stearns, J.P Morgan, CIBC, Société Générale (HK)
  - Cities: SF, NY, Toronto, London, Hong Kong, Singapore, and now Zürich
  - Instruments: stocks, bonds, ETFs, swaps, futures & options
- Author of "Invest Outside the Box", "10 Ways To Invest", over 200 articles, masters courses & frequent guest on CNBC Asia.



### Outline

- What are bonds the absolute basics
- How and why to find Treasury Bills (T-Notes)
- How and why to find Treasury Notes, Bonds, and TIPS
- Who the main drivers of supply and demand are
- How to trade these markets:
  - Micro and full-sized crude oil
  - Micro and full-sized natural gas

# What is a Treasury Bill (T-Bill)?



# Treasury Bills vs Bank Term Deposits / CDs

- Discount vs Principal+ quotation basis
- Full direct guarantee of the issuer (the US treasury in this case) vs FDIC
- No limits (at least not <\$100 billion)
- Can sell anytime with market risk (vs break penalty)
- Margin / collateral value
- For residents of high tax US states, treasuries may be state tax exempt

## Pulling up US-T on TWS (Scroll down for T-Bills)

Contract Selection		
Туре ————		
Bills Bond STRIPS Interests Bond STRIPS Principale	Exchange SMART Issuer United States Trea Currency USD Tradable Yes	asury
Maturity Date ———	Convertible No	
20230323 ^		Maturit Coupon
C C MONITOR US-T +	US-T 912828B25 20140131 Note TIPSs	20240115 0.125 20240115 0.625
FINANCIAL INSTRUMENT	US-T 91282CDV0 20220131 Notes	20240131No Coupon 20240131 0.875 20240131 2.25
us-t	US-T 9128285Z9 20190131 Notes	20240131 2.5
20230418 20230420	US-T 912821GC3 20210216 Note STRIPS Principals	20240215No Coupon 20240215No Coupon 20240215 0.125
Issue Date ———	US-T 912828B66 20140218 Notes	20240215 2.75
- United States Treasury		20240229No Coupon 20240229 1.5
Government Bonds		20240229 2.125
- Search by company name and bond issuer		20240229 2.375
Search by company name and bond issuer		20240315No Coupon
us-t <u>F</u> ind 🔍	US-T 912834WV6 20210315 Note STRIPS Interests	20240315No Coupon
		20240315 0.25
View Popular Products		20240331 2.125
		20240331 2.25
Coupon ———	US-T 912821BV6 20190430 Note TIPS STRIPS Princi US-T 912821MB8 20210415 Note STRIPS Principals	20240415No Coupon 20240415No Coupon
3.5		20240415No Coupon
3.625 3.75		20240415 0.375
		20240415 0.5
No		20240430 No Coupon -
Yes		
Clear	OK Add Select All	Close

### Source: IBKR TWS, 19 Dec 2023, 5:10pm CET

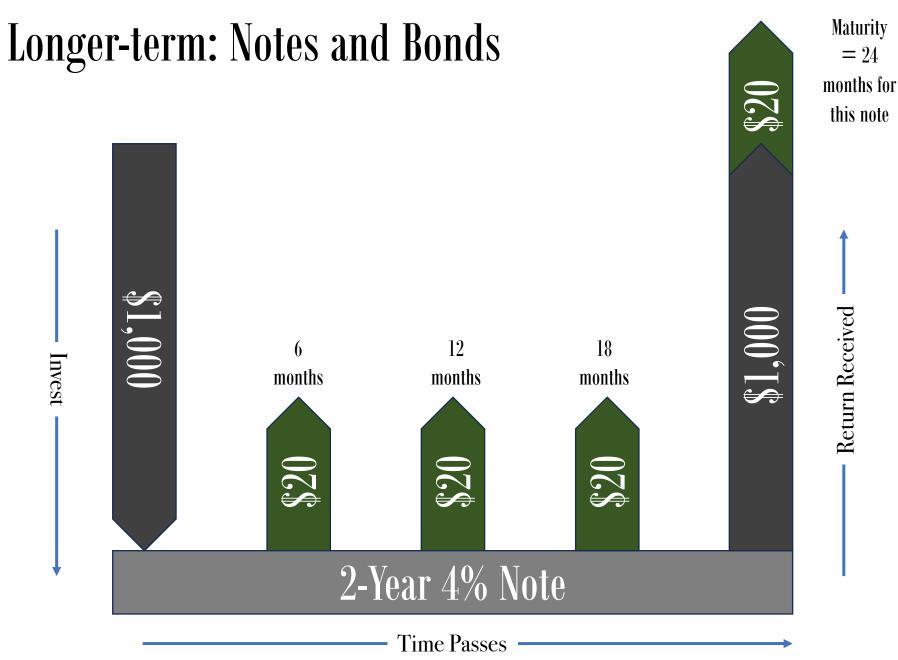
## Snapshot of T-Bill Quotes, 4-10 Months From 19 Dec

😵 🖨 🤀 MONITOR US-T	+		
		ASK YIELD	LAST
US-T GOVT Bill Apr02'24 9127	97JL2	5.382% •	• 98.50000
US-T GOVT Bill Apr04'24 9127	97GZ4	5.387% •	• 98.46950
US-T GOVT Bill Apr09'24 9127	97JM0	5.395%	• 98.39750
US-T GOVT Bill Apr11'24 9127	97HF7	5.323%	98.37958
US-T GOVT Bill Apr16'24 9127	97JN8	5.418%	98.29100
US-T GOVT Bill Jun13'24 9127	97FS1	5.335%	97.50150
US-T GOVT Bill Jul11'24 91279	7GB7	4.982%	97.27915
US-T GOVT Bill Oct31'24 9127	97HE0	4.927%	95.86700

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

# Sample T-Bill Buy Order

Order Confirmation					
<ul> <li>United States Treasury — Financial Instrument</li> <li>US-T GOVT Bill Apr09'24</li> </ul>	Bid 98.	Ask 39500 98.	40000	L	.ast 98.39750
Order Description ———— BUY \$9K					
~ ~	Routing SMART Clearing IBKR	Time in Force DAY			
Messages					
Amount ————————————————————————————————————	3,856 USD	Balances (in USD) —	Current	Change	Post-trade*
Commission (est.) 5.00		Equity with Loan		-8,864	107,411
	52.25 USD	Initial Margin	0.00	0.00	0.00
		Maintenance Margir	n 0.00	0.00	0.00
		Position	0	9	9
Don't display this message	ge again.				
	Override and	Transmit <u>C</u> ance			
			C	ATA POWE	RED BY 🔥 GFIS



### **Reinvestment risk: Buying Bonds Maturing Too Soon** 0000000000\$40Rates go up: Reinvest 5yr @6% Invest **Return Received** \$1,000\$1,000Reinvest Principal \$402-Year 4% Note $\sim$ Rates go down: Reinvest 5yr @3% © GFM Asset Management LLC 2024 **Time Passes**

Invest

# Interest Rate Market Risk: Buying Bonds Too Long After one year: If yields rise to 5%, this bond's price falls to \$847.75 If yields fall to 3%, this bond's price rises to \$1,192.77

"Duration" of 17.7 years means each 1bp rise in yield  $\sim$ -\$1.77 value

Some investors want this rate risk, others "duration match"



\$40



**Time Passes** 

\$40

## Pulling up those T-Notes, Bonds & TIPS on TWS

😂 🖨 🖨 MONITOR	US-T +			
			ASK YIELD	LAST
US-T GOVT Bill Apr0	2'24 912797JL2		5.382% •	98.50000
US-T GOVT Bill Apr04	4'24 912797GZ4		5.387% •	98.46950
US-T GOVT Bill Apr0	9'24 912797JM0		5.395%	98.39750
US-T GOVT Bill Apr1	1'24 912797HF7		5.323%	98.37958
US-T GOVT Bill Apr1	6'24 912797JN8		5.418%	98.29100
US-T GOVT Bill Jun13	3'24 912797FS1		5.335%	97.50150
US-T GOVT Bill Jul11	'24 912797GB7		4.982%	97.27915
US-T GOVT Bill Oct3:	1'24 912797HE0		4.927%	95.86700
US-T GOVT TIPS 2.0	Jan15'26 912810FS2	2 AAA 🛛 🕺	2.371%	99.22806
US-T GOVT Note 3.8	75 Jan15'26 91282C	GE5 AAA	4.374%	99.00600
US-T GOVT Note TIP	S 0.875 Jan15'29 91	28285W6 AAA	1.755% •	95.71089
US-T GOVT Note 1.7	5 Jan31'29 91282CD	W8 AAA	3.948% •	89.89800
US-T GOVT TIPS 1.5	Feb15'53 912810TP	3 AAA	1.840% •	92.28092
US-T GOVT 3.625 Fe	b15'53 912810TN8 A	AA	4.046% •	92.81235

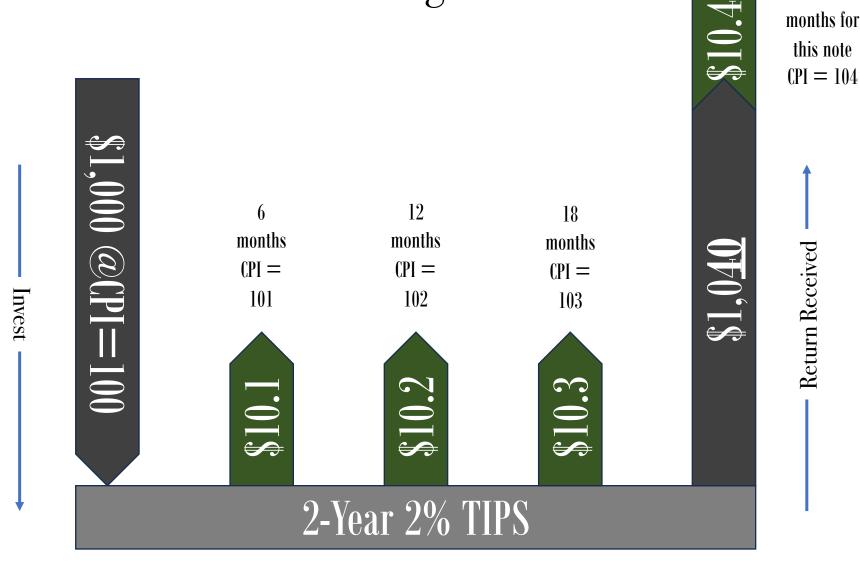
### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

# Sample <u>T-Bond Buy Order – Note Accrued Interest</u>

Bond Confirmation					
<ul> <li>United States Treasury — Financial Instrument</li> <li>US-T GOVT 3.625 Feb15'</li> </ul>	Bid • 92.		sk 2.83500 •	L	.ast • 92.82570
Order Description ———— BUY \$9K					
	outing SMART earing IBKR	Time in Force D	ΑY		
Messages					
Bond Description					
Bond Type <b>Bonds</b> Rati	ng <b>AAA</b>				
Amount 8,354	.88 USD	Balances (in USD) -		<u>Change</u>	Post-trade*
Commission (est.) 5.00 8	.00 USD	Equity with Loan	116,275	-8,475	107,799
Total ~ 8,361	.38 USD	Initial Margin	0.00		0.00
		Maintenance Marg	jin 0.00	0.00	0.00
		Position	0	9	9
Don't display this message	e again.	Position	0	9	9
Don't display this message	e again. <u>O</u> verride and			9	9

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

# **TIPS: How Inflation Indexing Works**



Time Passes

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Maturity

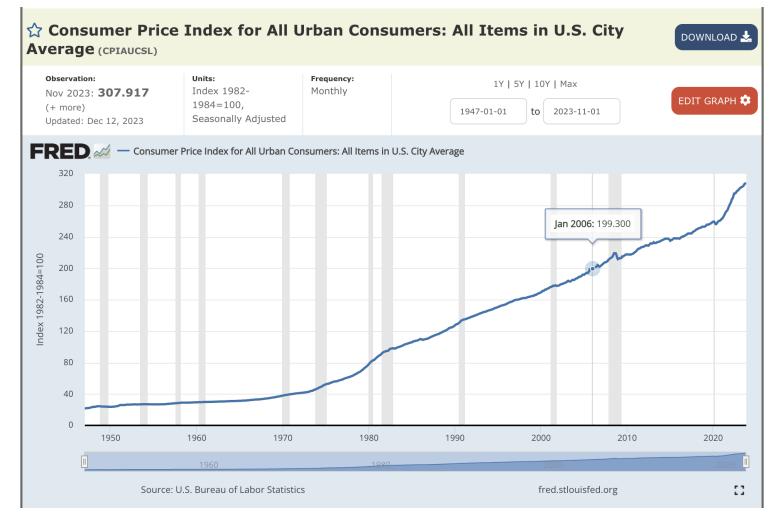
= 24

months for

### TIPS issued as a 20-year in 2006

Bond Confirmation							
<ul> <li>United States Treasury</li> <li>Financial Instrument</li> <li>US-T GOVT TIPS 2.0 Jan</li> </ul>	Bid 99.	21093	Ask 99.2610	0 •	L	ast 99.2359	Ĭ
Order Description ———— BUY \$20K					-		
	outing SMART earing IBKR	Time in Force [	DAY				
Messages							
Bond Description ————							
Bond Type Bond TIPSs	Rating <b>AAA</b>						
Amount 30,779	9.05 USD	Balances (in USD)		<u>irrent</u>	Change	Post-trade <sup>*</sup>	k 
Commission (est.) 5.00 10		Equity with Loa			-31,055	85,220	
Total ~ 30,786	5.55 USD	Initial Margin		0.00	0.00	0.00	)
		Maintenance Ma	irgin	0.00	0.00	0.00	
		Position		0	20	20	)
Don't display this message	again.						
	<u>O</u> verride and	Transmit <u>C</u> a	ancel				
					DATA POWE	RED BY 📫 G	FIS

# How US Inflation has progressed since 2006



### Back to that TWS Screen, Real vs Nominal

🛚 🖨 🤀 MONITOR US-T	+		
		ASK YIELD	LAST
US-T GOVT Bill Apr02'24 91279	)7JL2	5.382% • •	98.50000
US-T GOVT Bill Apr04'24 91279	97GZ4	5.387% • •	98.46950
US-T GOVT Bill Apr09'24 91279	97JM0	5.395% •	98.39750
US-T GOVT Bill Apr11'24 91279	97HF7	5.323%	98.37958
US-T GOVT Bill Apr16'24 91279	97JN8	5.418%	98.29100
US-T GOVT Bill Jun13'24 91279	7FS1	5.335%	97.50150
US-T GOVT Bill Jul11'24 91279	7GB7	4.982%	97.27915
US-T GOVT Bill Oct31'24 91279	7HE0	4.927%	95.86700
US-T GOVT TIPS 2.0 Jan15'26	912810FS2 AAA 🛛 🕺	2.371%	99.22806
US-T GOVT Note 3.875 Jan15'2	6 91282CGE5 AAA	4.374%	99.00600
US-T GOVT Note TIPS 0.875 Ja	n15'29 9128285W6 AAA	1.755% • •	95.71089
US-T GOVT Note 1.75 Jan31'29	91282CDW8 AAA	3.948% • •	89.89800
US-T GOVT TIPS 1.5 Feb15'53	912810TP3 AAA	1.840% • •	92.28092
US-T GOVT 3.625 Feb15'53 912	2810TN8 AAA	4.046% • •	92.81235

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

### Apple — not just a stock!

APPLE INC - NASDAQ								
Stock (SMART)	<b>압-</b> <┚							
Options								
Warrants	Contract Selection							
Structured Products	Exchange 1/2		Contra	cts: Apple Inc -				
	SMART TRADEWEB		Excha	nge SMART	Issuer Ap	ple Inc		
CFD			Туре	Bonds	Tradable Ye	'S		
APPLE INC - MEXI	Maturity Date ———— 20260223			CUSIP/ISIN	Issue Date	Maturity D.	Currency	y Coupon
Stock	20260508	Ĩ	AAPL	037833CD0	20160804	20460804	USD	3.85 +
	20260610		AAPL	037833CH1	20170209	20470209	USD	4.25
APPLE INC-CDR - AEQLIT	_ 20260804 20260911		AAPL	037833DD9	20170912	20470912	USD	3.75
Stock	20261110	le la constante de la constante	AAPL	037833DG2	20171113	20471113	USD	3.75
	20270209		AAPL	037833DQ0	20190911	20490911	USD	2.95
APPLE INC - EBS	- 20270511 20270620		AAPL	037833DW7	20200511	20500511	USD	2.65
Stock (SMART)	20270912	L	AAPL	037833DZ0	20200820	20500820	USD	2.4
LS 1X AAPL - LSEETF	Issue Date ———		AAPL	037833EF3	20210208	20510208	USD	2.65
	20160804	•	AAPL AAPL	037833EK2 037833EQ9	20210805 20220808	20510805 20520808	USD USD	2.7 3.95
Stock (SMART)	20160804 20170209		AAPL	037833EQ9 037833EW6	20220808	20520808	USD	4.85
Apple Inc	- 20170511		AAPL	037833EW0	20230310	20600820	USD	2.55
Corporate Bonds	20170524	÷ ;	AAPL	037833EG1	20210208	20610208	USD	2.33
•	Coupon ———		AAPL	037833EL0	20210805	20610805	USD	2.85
Search by company name and bond issuer —	2.1	· · · · · · · · · · · · · · · · · · ·	AAPL	037833ER7	20220808	20620808	USD	4.1
	2.15		AAPL	XS1292384960	20150917	20240117	EUR	1.375
aapl <u>F</u> ind 🥄	2.1514 2.2		AAPL	XS1619312173		20250524	EUR	0.875
	2.25		AAPL	XS2079716853		20251115	EUR	No Coupon
View Popular Products	2.3		AAPL	XS1135337498		20261110	EUR	1.625
view Popular Products	2.375 2.4		AAPL	XS1292389415		20270917	EUR	2.0
•			AAPL	XS1619312686		20290524	EUR	1.375
	Currency ——		AAPL	XS2079716937		20311115	EUR	0.5
	EUR	Ť :	AAPL AAPL	XS1269175466 XS1269176191		20290731 20420731	GBP GBP	3.05 3.6
	GBP		AAPL	AU3CB023789		20420731	AUD	3.6
	Tradable 1/2 —		AAPL	AU3CB023789		20240110	AUD	3.6 -
	No Yes					20200010		5.00
		ear		ОК	Add	Select All		Close

## Just a few sample corporate bonds, esp long ones

🕫 🖨 🖨 MONITOR	US-T	Corps	+					
				LAST	BID YIELD	BID	ASK	ASK YIELD
US-T GOVT 4.75 Nov	v15'53 912	2810TV0 AA	A	112.647	• 4.020%	112.63900	112.65	4.019% •
AAPL CORP 4.1 Aug	08'62 0378	33ER7 AAA		89.7560	• 4.682%	89.6420	90.0530	4.657% •
MSFT CORP 3.041 M	ar17'62 59	4918CF9 A	AA	c73.4900	• 4.490%	73.6330	73.7180	4.484% •
AMZN CORP 4.1 Apr	13'62 023	135CK0 A1		89.2950	• 4.725%	88.9710	89.3800	4.700% •
GOOGL CORP 2.25 A	Aug15'60 0	2079KAG2	AA2	62.7600	• 4.270%	62.7500	63.1000	4.244% •
META CORP 5.75 Ma	y15'63 30	303M8R6 A	L	109.9600	• 5.161%	109.8410	110.1120	5.146% •
NVDA CORP 3.7 Apr	01'60 6706	56GAJ3 A1		85.0890	4.583%	84.4450	84.9280	4.552% •
NDAQ CORP 6.1 Jun	28'63 631:	11XAL5 BA	.2	109.7150	• 5.515%	109.3380	109.8740	5.484% •
AAL CORP 8.5 May15	5'29 USU02	2413AJ82 B	42	c106.1270	• 6.836%	105.6140	106.1400	6.686% •
CCL CORP 5.75 Mar0	)1'27 USP2	121VAL82	33	c95.0000	7.154%	96.0400	97.2950	6.701%
CCL CORP 10.5 Jun0	1'30 USP2	121VAP96		c108.2200	7.767%	108.1140	109.2280	7.169%

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

## Moody's Credit Ratings In A Nutshell

### Moody's rating scale

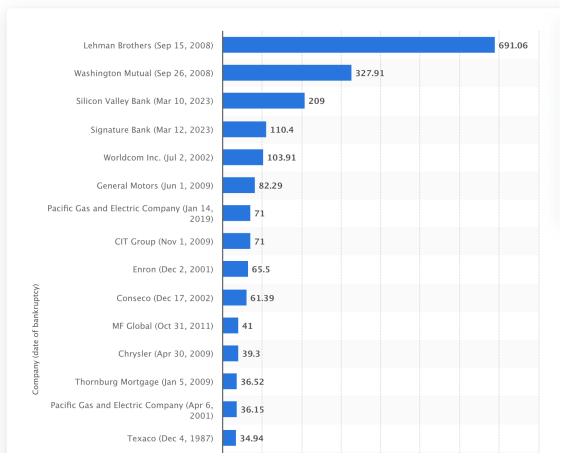
A	Aaa	Lowest level of credit risk	
А	Aa1		
A	Aa2	Very low credit risk	
Α	Aa3		
Α	A1		
Α	42	Low credit risk	
Α	٨З		
E	Baa1		
В	Baa2	Moderate credit risk	
В	3aa3		
E	3a1		
B	3a2	Substantial credit risk	
B	3a3		
E	31		
E	32	High credit risk	
E	33		
C	Caa1		
C	laa2	Very high credit risk	
C	Caa3		
Sour	ce: M	oody's ©	DW

Source: https://www.dw.com/en/are-ratings-agencies-hurting-africas-economies/a-47870146 The above information contains an example for illustrative purposes only and is not intended to portray recommendations, or an invitation or inducement to trade a particular financial instrument or to engage in an investment activity. Past performance is not indicative of future results.

# Some history on what credit risk bondholders take

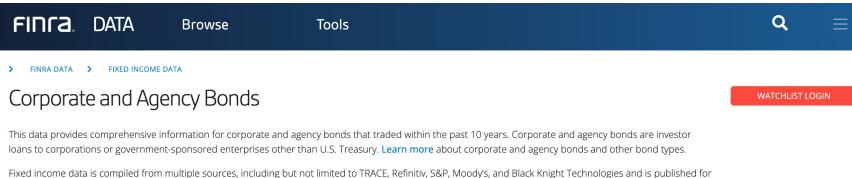
Largest bankruptcies in the United States as of July 2023,

(in billion U.S. dollars)



Source: https://www.statista.com/statistics/1096794/largest-bankruptcies-usa-by-assets/

### One source of US corporate bond ideas



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**BOND DATA GLOSSARY »** 

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You may use filters to refine results. Additional filter options are available through the "Filter" button near the grid. Close this section using the arrow in the right corner to view more results in the grid.

Issuer Name		Industry Group		Maturity Date	
Issuer Name		Select or Search	~	YYYY-MM-DD	- YYYY-MM-DD
Latest Sale Yield		TRACE Grade		Coupon Rate	
From	- To	Select or Search	~	From	- To
					RESET SHOW RESULTS

Total Count: 320416

🗏 Glossary 🔲 Columns 🛛 🖓 Filter

### Source: https://www.finra.org/finra-data/fixed-income/corp-and-agency

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### Another source of bond ideas

← → C 😁 inve	esco.com/us/financial-pro	ducts/etfs/product-de	tail?audienceType=Advis	or&ticker=PFIG	☆ 🖪	<b>ゆ</b> む	🛛 🧔 :
						CUSIP #	46138E693
Top Fixed-Income	e Holdings   View	All		as	of 12/18/2023	ISIN	US46138E6932
						Intraday NAV	PFIGIV
HOLDING NAME \$	COUPON RATE 🗢	MATURITY DATE \$	NEXT CALL DATE ♦	S&P / MOODY'S RATING†≑	WEIGHT <b>≑</b>	Bloomberg Inde	x Ticker RAFIIG
JPMorgan Chase & Co	2.95%	10/01/2026	07/01/2026	A-/A1	1.03%	Index Provider Researct	n Affiliates, LLC
Bank of America Corp	3.25%	10/21/2027	10/21/2026	A-/A1	0.96%	Management Fe	e 0.22%
Microsoft Corp	3.30%	02/06/2027	11/06/2026	AAA/Aaa	0.78%	Total Expense I	Ratio 0.22%
						Marginable	¥
Morgan Stanley	3.62%	01/20/2027	N/A	A-/A1	0.55%	Short Selling	Feedback
Cisco Systems Inc	2.50%	09/20/2026	06/20/2026	AA-/A1	0.52%	Options	No
			/ /			Exchange	NYSE Arca
Berkshire Hathaway Inc	3.12%	03/15/2026	12/15/2025	AA/Aa2	0.51%	Inception Date	09/15/2011
Apple Inc	3.25%	02/23/2026	11/23/2025	AA+/Aaa	0.50%	# of Holdings	704 as of 12/18/2023
McKesson Corp	1.30%	08/15/2026	07/15/2026	BBB+/Baa1	0.50%		
Apple Inc	1.65%	02/08/2031	11/08/2030	AA+/Aaa	0.48%	Quick Facts	as of 12/19/2023

### Source: https://www.invesco.com/us/financial-products/etfs/product-detail?audienceType=Advisor&ticker=PFIG The above information contains an example for illustrative purposes only and is not intended to portray recommendations, or an invitation or inducement to trade a particular

# Many foreign governments also issue USD bonds

Exchange ———— · Contracts: United Mexican States ————————————————————————————————										
SMART • '	Туре	Bonds <b>Issuer</b>	United Mexica	an Statos T	<b>radable</b> Yes					
CORPACT										
Maturity Date ——		CUSIP/ISIN	Issue Date	Maturity D		CouponCurrency				
20300211	MX	91086QAG3	20010813	20310815	TRADEWEB	8.3 USD				
20300416	MX	91087BAK6	20200427	20320427	SMART	4.75 USD				
20310223	MX	91086QAN8	20030411	20330408	SMART	7.5 USD				
20310524	MX	91087BAT7	20220819	20330519	SMART	4.875 USD				
20310815	MX	91087BAR1	20220112	20340212	SMART	3.5 USD				
20320427 20330408	MX	91086QAS7	20040927	20340927	SMART (TRADEWEB)	6.75 USD				
20330519	MX	91086QAS7	20040927	20340927	TRADEWEB	6.75 USD				
20331025	MX	91087BAV2	20230109	20350209	SMART	6.35 USD				
20340212	MX	91086QAV0	20080111	20400111	SMART	6.05 USD				
20340927	MX	91087BAQ3	20210414	20410814	SMART	4.28 USD				
Issue Date ———	MX	91086QBB3	20120308	20440308	SMART (TRADEWEB)	4.75 USD				
20150306	MX	91086QBB3	20120308	20440308	TRADEWEB	4.75 USD				
20150415	MX	91086QBE7	20140121	20450121	SMART	5.55 USD				
20160223	MX	91087BAB6	20160811	20470115	SMART	4.35 USD				
20160811	MX	91087BAD2	20171010	20480210	SMART (TRADEWEB)	4.6 USD				
20170328	MX	91087BAD2	20171010	20480210	TRADEWEB	4.6 USD				
20171010 20180111	МХ	91087BAG5	20190731	20500131	SMART	4.5 USD				
20180111	MX	91087BAL4	20200427	20510427	SMART	5.0 USD				
20190122	MX	91087BAS9	20220112	20520212	SMART	4.4 USD				
20190408	MX	91087BAX8	20230428	20530504	SMART	6.338 USD				
Coupon ——	МХ	91087BAN0	20201124	20610524	SMART	3.771 USD				
3.6	MX	XS2280637039	20210119	20710419	SMART	3.75 USD				
3.625	мх	910860AZ1	20101012	21101012	SMART	5.75 USD				
3.75	МХ	XS1974394675	20190408	20260408	SMART	1.625 EUR				
3.771	MX	XS2135361686	20200918	20270918	SMART	1.35 EUR				
3.9 4.0	MX	XS1751001139	20180117	20280417	SMART	1.75 EUR				
4.15	MX	XS2104886341	20200117	20300117	SMART	1.125 EUR				
4.28	MX	XS2444273168	20220211	20300211	SMART	2.375 EUR				
4.35	MX	XS1369323149	20160223	20310223	SMART	3.375 EUR				
4.4	MX	XS2289587789	20210125	20331025	SMART	1.45 EUR				
Currency —	MX	XS2363910436	20210712	20360812	SMART	2.25 EUR				
USD	MX	XS1974394758	20190408	20390408	SMART	2.875 EUR				
EUR	MX	XS1198103456	20150306	20450306	SMART	3.0 EUR				
Tradable 1/2 —	MX	XS2289588167	20210125	20511025	SMART	2.125 EUR				
No	MX	XS1218289103	20210125	21150315	SMART	4.0 FUR				
Yes										
Clear			ок	Add	Select All Close					

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

### Small sample of some of those foreign gov bonds

8 6	MONITOR	< TX	VIX	CME	GBonds	s Bonds	EUR Bo	ondsGBP I	BondsUSD	> + ? 🏟 🔗 🔻
						LAST	BID YI	ELD	BID	ASK ASK YIELD
US-T	GOVT 4.0 N	lov15'52 9	12810TL	2 AAA		99.16992	• 4.04			
US-T	GOVT TIPS	1.5 Feb15	53 9128	10TP3 AA	A • '	92.33577	• 1.84	4% 92.26	953 92.402	200 1.838%
MX o	GOVT 5.75 O	ct12'10 91	086QAZ1	BAA2		89.5255	6.47	0% 88.9	000 90.15	510 6.380%
MX GOVT 4.0 Mar15'15 XS1218289103 BAA2						c <b>76.4640</b>	• 5.31	8% 75.4	100	n/a
JM GOVT 8.0 Mar15'39 470160AV4 B1					125.4195	5.79	0% 122.1	510 128.68	380 -1.553%	
TT GOVT 5.95 Jan14'31 USP93960AJ47 BA2					103.4345	5.49	0% 102.6	630 104.20	060 5.230%	
CO G	GOVT 8.75 No	ov14'53 19	5325EM3	BAA2		104.5000	8.41	2% 103.6	500 105.35	500 8.262%
CO G	GOVT 3.875 F	eb15'61 1	95325DX	0 BAA2		60.9125	6.85	4% 60.0	820 61.74	430 6.671%
VE G	OVT 9.375 J	an13'34 92	22646BL7	' C		c <b>17.7370</b>	0.00	0% 16.6	000	n/a
PA G	OVT 8.125 A	pr28'34 69	98299AT1	L BAA3	с	108.4880	• 6.99	0% 108.2	500	n/a
PA G	OVT 6.7 Jan	26'36 6982	299AW4 I	BAA3		c <b>98.9140</b>		n/a		n/a
PA G	OVT 6.853 M	lar28'54 6	98299BV	5 BAA3		c <b>93.2480</b>		n/a		n/a
BR G	OVT 8.25 Ja	n20'34 10	5756BB5	BA2		117.5725	5.91	8% 117.5	090 117.63	360 5.903%
BR G	OVT 7.125 J	an20'37 10	)5756BK	5 BA2		109.3435	• 6.19	3% 108.2	620 110.42	250 5.965%
PE G	OVT 3.3 Mar	11'41 7150	538DS8 E	3AA1		77.4285	5.39	1% 76.7	210 78.13	360 5.243%
PE G	OVT 5.625 N	ov18'50 7	15638BM	3 BAA1		102.7595	• 5.47	3% 102.1	280 103.39	910 5.385%
PE G	OVT 3.23 Jul	28'21 715	638DR0 E	BAA1		62.1985	• 5.27	8% 61.4	290 62.96	580 5.151%
CL G	OVT 3.25 Se	p21'71 16	8863DU9	A2		66.7000	• 5.19	8% 65.7 <sub>'</sub>	480 67.65	520 5.050%
CL G	OVT 1.25 Jar	129'40 XS2	21089875	517 A2		c <b>69.2600</b>	4.02	2% 67.6	000 72.15	500 3.550%
UY G	OVT 4.975 A	pr20'55 7	60942BD	3 BAA2		97.5950	• 5.27	<b>5% 95.</b> 4	240 99.76	560 0.061%
AR G	OVT 3.625 J	ul09'35 04	0114HT0			35.3750	0.00	0% 35.3	749 35.37	751 0.000%
AR G	GOVT 3.5 Jul	9'41 0401	14HV5			35.1500	0.00	0% 33.9	500 36.35	500 0.000%
AR G	OVT 3.625 J	ul09'46 04	0114HW3	3		35.5300	0.00	0% 34.8	100 36.25	500 0.000%
AR G	GOVT 2.5 Jul	9'46 XS21	.7736552	0		c <b>30.6160</b>	5.40	1% 30.1	850 35.11	4.711%
PL G	OVT 5.5 Nov	16'27 857	524AD4 A	12		103.6600	• 4.57		720 104.24	4.305%
PL G	OVT 5.5 Apr(	04'53 7310	)11AW2 A	42		104.8750	5.24	6% 103.7	500 106.00	000 5.100%
TR G	OVT 11.875	Jan15'30 9	00123AL	4 B3		126.6735	6.64	7% 125.7	420 127.60	
TR G	OVT 5.75 Ma	y11'47 90	0123CM0	B3		78.3345	7.91			
ZA G	OVT 5.875 A	pr20'32 8	36205BC	7 BA2		94.7210	• 6.85			
ZA G	OVT 7.3 Apr	20'52 836	205BE3 E	3A2		93.5210	• 7.93	2% 92.8	920 94.15	500 7.815% 🖕
										D

### Source: IBKR TWS, 19 Dec 2023, 5:15pm CET

### Some risks / features to note for non-treasuries

- Bid/ask spreads may be a lot wider
- Even crossing those spreads, liquidity may be difficult
- TRACE data limited to US corporates
- Outside US, some may trade in sizes >\$1,000 (e.g. \$200,000)
- Remember, default risk is real, so size accordingly
- Many corporate bonds have call or other complex features read the docs
- Many banks issue bonds subordinated to their senior bonds

# Questions? **Tariq Dennison On SeekingAlpha "The Expat Portfolio" ∞** InvestingExpat https://gfmasset.com