

TRADING PLATFORM

Product Guide

FX Instrument	CAD Spread	CAD Margin	USD Margin	Min Nominal Trade Size	Overnight Interest (daily) – Sell	Overnight Interest (daily) – Buy	Trading hours (GMT)	Symbol	Exclusive to
EUR/USD	0.6	4.50%	3.00%	1000	-0.0031%	-0.0064%	24/5	EURUSD	No
GBP/USD	1	4.50%	3.00%	1000	-0.0047%	-0.0049%	24/5	GBPUSD	No
USD/JPY	0.7	4.50%	3.00%	1000	-0.0054%	-0.0039%	24/5	USDJPY	No
EUR/JPY	1.4	6.00%	6.00%	1000	-0.0038%	-0.0056%	24/5	EURJPY	No
AUD/USD	0.8	4.50%	3.00%	1000	-0.0048%	-0.0049%	24/5	AUDUSD	No
EUR/CHF	1.5	6.00%	6.00%	1000	-0.0051%	-0.0048%	24/5	EURCHF	No
EUR/GBP	1	6.00%	6.00%	1000	-0.0032%	-0.0064%	24/5	EURGBP	No
USD/CAD	1.5	3.00%	2.00%	1000	-0.0050%	-0.0048%	24/5	USDCAD	No
USD/CHF	1	4.50%	3.00%	1000	-0.0068%	-0.0031%	24/5	USDCHF	No
NZD/USD	1.5	4.50%	3.00%	1000	-0.0049%	-0.0049%	24/5	NZDUSD	No
AUD/JPY	1.5	6.00%	6.00%	1000	-0.0055%	-0.0041%	24/5	AUDJPY	No
GBP/JPY	1.9	6.00%	6.00%	1000	-0.0054%	-0.0041%	24/5	GBPJPY	No
EUR/CAD	2.5	3.00%	4.50%	1000	-0.0033%	-0.0064%	24/5	EURCAD	No
EUR/AUD	2.1	6.00%	6.00%	1000	-0.0033%	-0.0064%	24/5	EURAUD	No
AUD/CAD	1.9	3.00%	4.50%	1000	-0.0050%	-0.0050%	24/5	AUDCAD	No
AUD/CHF	2.1	6.00%	6.00%	1000	-0.0068%	-0.0033%	24/5	AUDCHF	No
AUD/NZD	2.7	6.00%	6.00%	1000	-0.0049%	-0.0051%	24/5	AUDNZD	No
CAD/CHF	2.1	3.00%	4.50%	1000	-0.0068%	-0.0034%	24/5	CADCHF	No
CAD/JPY	1.7	3.00%	4.50%	1000	-0.0054%	-0.0042%	24/5	CADJPY	No
CHF/JPY	1.9	6.00%	6.00%	1000	-0.0038%	-0.0060%	24/5	CHFJPY	No
EUR/NOK	30	6.00%	6.00%	1000	-0.0040%	-0.0057%	24/5	EURNOK	No
EUR/NZD	3.6	6.00%	6.00%	1000	-0.0032%	-0.0065%	24/5	EURNZD	No

EUR/SEK	30	6.00%	6.00%	1000	-0.0039%	-0.0058%	24/5	EURSEK	No
EUR/TRY	45	28.00%	28.00%	1000	0.0056%	-0.0394%	24/5	EURTRY	No
GBP/AUD	2.4	6.00%	6.00%	1000	-0.0049%	-0.0049%	24/5	GBPAUD	No
GBP/CAD	3.2	3.00%	4.50%	1000	-0.0049%	-0.0049%	24/5	GBPCAD	No
GBP/CHF	2.6	6.00%	6.00%	1000	-0.0068%	-0.0033%	24/5	GBPCHF	No
GBP/NZD	4.4	6.00%	6.00%	1000	-0.0048%	-0.0050%	24/5	GBPNZD	No
NZD/CAD	2.8	3.00%	4.50%	1000	-0.0051%	-0.0049%	24/5	NZDCAD	No
NZD/CHF	2.5	6.00%	6.00%	1000	-0.0069%	-0.0033%	24/5	NZDCHF	No
NZD/JPY	2.1	6.00%	6.00%	1000	-0.0056%	-0.0041%	24/5	NZDJPY	No
USD/MXN	65	5.00%	3.50%	1000	0.0000%	-0.0223%	24/5	USDMXN	No
USD/NOK	30	4.50%	3.50%	1000	-0.0057%	-0.0041%	24/5	USDNOK	No
USD/SEK	28	4.50%	3.00%	1000	-0.0056%	-0.0042%	24/5	USDSEK	No
USD/TRY	40	26.50%	25.00%	1000	0.0056%	-0.0378%	24/5	USDTRY	No
USD/ZAR	85	26.50%	25.00%	1000	0.0056%	-0.0186%	24/5	USDZAR	No
USD/CNY*	20	26.50%	25.00%	1000	-0.0007%	-0.0082%	24/5	USDCNY	No

Commodities		CA	US											
Instrument	Spread	Currency	Margin	Margin	Minimum Trade Size	Increment	Overnight Interest (daily) – Sell	Overnight Interest (daily) – Buy	Trading hours (GMT)	Quoted Months	Exchange	Units	Symbol	Exclusive to MT5
Crude Oil	0.02	USD	9.30%	9.30%	10	0.01	-0.0053%	-0.0053%	23:00-21:59	Monthly	NYME X	Barrel	Crude OIL	No
OIL_FE B21	0.02	USD	9.30%	9.30%	10	0.01	-0.0053%	-0.0053%	23:00-21:59	Jan - Dec (Closed at Expiry)	NYME X	Barrel	OIL_FE B21	No
Gold	0.28	USD	6.20%	6.20%	1.00	0.01	-0.0053%	-0.0053%	23:00-21:59	None - Spot Market	#NA	Troy Oz	GOLD	No

GOLD_FEB21	0.28	USD	6.20%	6.20%	1.00	0.01	-0.0053%	-0.0053%	23:00-21:59	Jan - Dec (Closed at Expiry)	COMEX	Troy Oz	GOLD_FEB21	No
Silver	0.023	USD	12.10%	12.10%	100.00	0.001	-0.0053%	-0.0053%	23:00-21:59	None - Spot Market	#NA	Troy Oz	SILVER	No
SILVER_MAR	0.023	USD	12.10%	12.10%	100.00	0.001	-0.0053%	-0.0053%	23:00-21:59	Jan - Dec (Closed at Expiry)	COMEX	Troy Oz	SILVER_MAR	No
Platinum	\$1.10 over market	USD	6.70%	6.70%	1.00	0.10	-0.0042%	-0.0042%	23:00-21:59	Jan, Apr, Jul, Oct	NYMEX	Troy Oz	PLATINUM	No
Corn	\$0.25 over market	USD	7.00%	7.00%	1.00	0.25	-0.0042%	-0.0042%	01:00-13:44 & 14:30-19:19	Mar, May, Jul, Sep, Dec	CBOT	Bushels (100)	CORN	No
Soybean	\$1.00 over market	USD	8.00%	8.00%	1	0.25	-0.0042%	-0.0042%	01:00-13:44 & 14:30-19:19	Jan, Mar, May, Jul, Aug, Sep, Nov	CBOT	Bushels (100)	SOYBEAN	No
Wheat	\$0.25 over market	USD	8.00%	8.00%	1	0.25	-0.0042%	-0.0042%	01:00-13:44 & 14:30-19:19	Mar, May, Jul, Sep, Dec	CBOT	Bushels (100)	WHEAT	No
Natural Gas	\$0.002 over market	USD	12.40%	12.40%	100	0.001	-0.0042%	-0.0042%	23:00-21:59	Monthly	NYMEX	mmBtu	NATURAL_GAS	No
NATGAS_FEB	\$0.002 over market	USD	12.40%	12.40%	100	0.001	-0.0042%	-0.0042%	23:00-21:59	Jan - Dec (Closed at Expiry)	NYMEX	mmBtu	NATGAS_FEB	No
Heating Oil	\$0.0015 over market	USD	6.50%	6.50%	1,000	0.0001	-0.0042%	-0.0042%	23:00-21:59	Monthly	NYMEX	Gallons	HEATING_OIL	No
HEATING_OIL_FEB	\$0.0015 over market	USD	6.50%	6.50%	1,000	0.0001	-0.0042%	-0.0042%	23:00-21:59	Jan - Dec (Closed at Expiry)	NYMEX	Gallons	HEATING_OIL_FEB	No

Gasoline	\$0.0015 over market	USD	7.50%	7.50%	1,000.00	0.0001	-0.0042%	-0.0042%	23:00-21:59	Monthly	NYMEX	Gallons	GASOLINE	No
GASO_FEB	\$0.0015 over market	USD	7.50%	7.50%	1,000.00	0.0001	-0.0042%	-0.0042%	23:00-21:59	Jan - Dec (Closed at Expiry)	NYMEX	Gallons	GASO_FEB	No
Coffee C	\$0.15 over market	USD	9.70%	9.70%	10.00	0.05	-0.0042%	-0.0042%	09:15-18:29	Mar, May, Jul, Sep, Dec	ICE US	lbs (100)	COFFEE_C	No
Sugar no. 11	\$0.03 over market	USD	7.00%	7.00%	100.00	0.01	-0.0042%	-0.0042%	08:30-17:59	Mar, May, Jul, Oct, Dec	ICE US	lbs (100)	SUGAR #11	No
Cotton no. 2	\$0.06 over market	USD	7.20%	7.20%	10.00	0.01	-0.0042%	-0.0042%	02:00-19:19	Mar, May, Jul, Oct, Dec	ICE US	lbs (100)	COTTON#2	No
Brent Oil	\$0.015 over market	USD	14.30%	14.30%	10	0.01	-0.0042%	-0.0042%	01:00-22:59	Monthly	ICE EUROPE	Barrel	BRENT_OIL	No
Palladium	\$0.65 over market	USD	8.10%	8.10%	1	0.05	-0.0042%	-0.0042%	23:00-21:59	Mar, Jun, Sept, Dec	NYMEX	Troy Oz	PALLADIUM	No
Cocoa	\$6.00 over market	USD	8.30%	8.30%	1	1.00	-0.0042%	-0.0042%	09:45-18:29	Mar, May, Jul, Sep, Dec	ICE US	Metric Ton	COCOA	No
Copper	\$0.0044 over market	USD	6.00%	6.00%	100	0.0005	-0.0042%	-0.0042%	23:00-21:59	Monthly (not all months are liquid)	COMEX	lbs (100)	COPPER	No

Indices		Country	Currency	CA	US	Min Trade Size	Increment	Overnight Interest (daily) – Sell	Overnight Interest (daily) – Buy	Trading hours (GMT)	Quoted Months	Exchange	Units	Symbol	Exclusive to MT5
Instrument	Spread			M arg in	M arg in										
S&P500	0.25 over market	US	USD	9.50%	9.50%	1	0.25	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	S&P500	No
US_500	0.25 over market	US	USD	9.50%	9.50%	1	0.25	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	US_500	No
NASDAQ 100	1.00 over market	US	USD	10.00%	10.00%	1	0.25	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	NASDAQ100	No
US_TECH100	1.00 over market	US	USD	10.00%	10.00%	1	0.25	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	US_TECH100	No
DJ 30	2.00 over market	US	USD	10.00%	10.00%	0.1	1	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CBOT	Index	DJ30	No
US_30	2.00 over market	US	USD	10.00%	10.00%	0.1	1	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CBOT	Index	US_30	No
CAC 40	0.50 over market	France	EUR	15.00%	15.00%	1	0.5	-0.0058%	-0.0058%	07:00 -20:59	Monthly (not all months are liquid)	Euronext	Index	CAC40	No
DAX 30	1.00 over market	Germany	EUR	15.00%	15.00%	0.1	0.5	-0.0058%	-0.0058%	01:10 -20:59	Mar, Jun, Sep, Dec	EUREX	Index	DAX30	No
FTSE 100	0.50 over market	UK	GBP	15.00%	15.00%	0.1	0.5	-0.0058%	-0.0058%	01:00-20:59	Mar, Jun, Sep, Dec	ICE EUROPE	Index	FTSE 100	No

RUSSEL L2000	0.10 over market	US	US D	11.50 %	11.50 %	1	0.1	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	RUSSELL2000	No
US_2000	0.10 over market	US	US D	11.50 %	11.50 %	1	0.1	-0.0058%	-0.0058%	23:00-21:14 & 21:30-21:59	Mar, Jun, Sep, Dec	CME	Index	US_2000	No
DJ EURO STOXX50	1.00 over market	EU	EUR	15.00 %	15.00 %	1	1	-0.0058%	-0.0058%	01:10 -20:59	Mar, Jun, Sep, Dec	EUREX	Index	DJ EURO50	No
NIKKEI225	5.00 over market	Japan	JPY	15.00 %	15.00 %	100	5	-0.0058%	-0.0058%	23:30-06:24 & 06:55-20:44	Mar, Jun, Sep, Dec	SGX - Singapore Derivatives Exchange	Index	NIKKEI225	No
SPAIN 35	2.00 over market	Spain	EUR	15.00 %	15.00 %	0.1	1	-0.0058%	-0.0058%	07:00-18:59	Monthly	MEFF	Index	SPAIN35	No
HSI	8.00 over market	Hong Kong	HKD	15.00 %	15.00 %	0.1	1	-0.0058%	-0.0058%	01:15-03:59 & 05:00-08:29 & 09:15-18:59	Monthly	Hong Kong Futures Exchange	Index	HSI	No
SPI 200	2.00 over market	Australia	AUD	15.00 %	15.00 %	1	1	-0.0058%	-0.0058%	23:50-06:29 & 07:10-21:59	Mar, Jun, Sep, Dec	Sydney Futures Exchange	Index	SPI200	No
DOLLAR INDEX	0.03 over market	US	US D	5.00 %	5.00 %	10	0.005	-0.0058%	-0.0058%	01:00-21:59	Mar, Jun, Sep, Dec	ICE US	Index	DOLLAR_INDEX	No
CHINA A50	10.00 over market	China	USD	10.00 %	10.00 %	0.1	2.5	-0.0058%	-0.0058%	01:00-08:29 & 09:00-20:44	Monthly	SGX - Singapore Derivatives Exchange	Index	CHINA_A50	No
TDAX	1.50 over market	Germany	EUR	15.00 %	15.00 %	1	0.5	-0.0058%	-0.0058%	01:10 -20:59	Mar, Jun, Sep, Dec	EUREX	Index	TDAX	Yes

MDAX	3.00 over market	Ger man y	EU R	15. 00 %	15. 00 %	0.1	1	-0.0058%	-0.0058%	01:10 -20:59	Mar, Jun, Sep, Dec	EUREX	In d ex	MDA X	Yes
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Individual Equities				CAD	USD	Min Trade Size (*MT5 Fractional share)	Ov
Instrument	Spread	Country	Currency	Margin	Margin		
GROUPON	0.36%	US	USD	30%	30%	10	
APPLE	0.13%	US	USD	30%	30%	1*	
CISCO SYSTEMS	0.13%	US	USD	30%	30%	10	
GOOGLE	0.13%	US	USD	30%	30%	1*	
AMAZON	0.13%	US	USD	30%	30%	1*	
INTEL	0.13%	US	USD	30%	30%	10*	
FACEBOOK	0.13%	US	USD	30%	30%	10*	
MICROSOFT	0.13%	US	USD	30%	30%	10*	
TESLA	0.13%	US	USD	30%	30%	1*	
NETFLIX	0.13%	US	USD	30%	30%	1*	
TEVA	0.13%	US	USD	30%	30%	10*	
AMERICAN EXPRESS	0.13%	US	USD	30%	30%	10*	

AT&T	0.13%	US	USD	30%	30%	10
BERKSHIRE HATHAWAY.B	0.13%	US	USD	30%	30%	10*
BANK OF AMERICA	0.13%	US	USD	30%	30%	10*
BOEING	0.13%	US	USD	30%	30%	10*
CATERPILLAR	0.13%	US	USD	30%	30%	10*
CHEVRON	0.13%	US	USD	30%	30%	10*
CITIGROUP	0.13%	US	USD	30%	30%	10*
COCA COLA	0.13%	US	USD	30%	30%	10
WALT DISNEY	0.13%	US	USD	30%	30%	10*
EXXON MOBIL	0.13%	US	USD	30%	30%	10
GENERAL ELECTRIC	0.13%	US	USD	30%	30%	10*
GM	0.13%	US	USD	30%	30%	10
GOLDMAN SACHS GROUP	0.13%	US	USD	30%	30%	10*
JOHNSON & JOHNSON	0.13%	US	USD	30%	30%	10*
JP MORGAN CHASE	0.13%	US	USD	30%	30%	10*
MCDONALDS	0.13%	US	USD	30%	30%	10*

PFIZER	0.13%	US	USD	30%	30%	10
NIKE	0.13%	US	USD	30%	30%	10*
UNDER ARMOUR	0.25%	US	USD	30%	30%	10
PROCTER & GAMBLE	0.13%	US	USD	30%	30%	10*
WAL MART	0.13%	US	USD	30%	30%	10*
TWITTER	0.13%	US	USD	30%	30%	1*
ALIBABA	0.13%	US	USD	30%	30%	1
VISA	0.13%	US	USD	30%	30%	1
MASTERCARD	0.13%	US	USD	30%	30%	1
SNAPCHAT	0.13%	US	USD	30%	30%	10
UBER	0.18%	US	USD	30%	30%	1
STARBUCKS	0.13%	US	USD	30%	30%	10*
MEDTRONIC	0.13%	US	USD	30%	30%	10*
HSBC	0.16%	UK	GBP Penny	30%	30%	100
VODAFONE	0.16%	UK	GBP Penny	30%	30%	1000
BARCLAYS	0.16%	UK	GBP Penny	30%	30%	100

RIO TINTO.UK	0.16%	UK	GBP Penny	30%	30%	10
TESCO.UK	0.16%	UK	GBP Penny	30%	30%	1000
ADIDAS	0.16%	GERMAN Y	EUR	30%	30%	10
E.ON	0.16%	GERMAN Y	EUR	30%	30%	10
SIEMENS	0.16%	GERMAN Y	EUR	30%	30%	10
BAYER	0.16%	GERMAN Y	EUR	30%	30%	10
DEUTSCHE BANK	0.16%	GERMAN Y	EUR	30%	30%	10
SAP.DE	0.16%	GERMAN Y	EUR	30%	30%	10
DEUTSCHE TELEKOM.DE	0.16%	GERMAN Y	EUR	30%	30%	100
RWE.DE	0.16%	GERMAN Y	EUR	30%	30%	10
BMW.DE	0.16%	GERMAN Y	EUR	30%	30%	10
DAIMLER.DE	0.16%	GERMAN Y	EUR	30%	30%	10
CREDIT AGRICOLE	0.18%	FRANCE	EUR	30%	30%	10
TOTAL	0.18%	FRANCE	EUR	30%	30%	10
PEUGEOT.FR	0.18%	FRANCE	EUR	30%	30%	10
VALLOUREC.FR	0.18%	FRANCE	EUR	30%	30%	10

CARREFOUR.FR	0.18%	FRANCE	EUR	30%	30%	10
INTESA SANPAOLO	0.19%	ITALY	EUR	30%	30%	100
UNICREDITO	0.19%	ITALY	EUR	30%	30%	10
GENERALI ASSICURAZIONI	0.19%	ITALY	EUR	30%	30%	100
TELECOM ITALIA	0.19%	ITALY	EUR	30%	30%	1000
SAIPEM.IT	0.19%	ITALY	EUR	30%	30%	10
KINDER MORGAN INC	0.13%	US	USD	30%	30%	10
JD.COM INC-ADR	0.13%	US	USD	30%	30%	1
SCHWAB (CHARLES) CORP	0.13%	US	USD	30%	30%	1
SCHLUMBERGER LTD	0.13%	US	USD	30%	30%	1
MICRON TECHNOLOGY INC	0.13%	US	USD	30%	30%	1
BOSTON SCIENTIFIC CORP	0.13%	US	USD	30%	30%	1
BANK OF NEW YORK MELLON CORP	0.13%	US	USD	30%	30%	1
COMCAST CORP-CLASS A	0.13%	US	USD	30%	30%	1
BRISTOL-MYERS SQUIBB CO	0.13%	US	USD	30%	30%	1
WELLS FARGO & CO	0.13%	US	USD	30%	30%	1

ALTRIA GROUP INC	0.13%	US	USD	30%	30%	1
OCCIDENTAL PETROLEUM CORP	0.13%	US	USD	30%	30%	1
EXELON CORP	0.13%	US	USD	30%	30%	1
US BANCORP	0.13%	US	USD	30%	30%	1
CVS HEALTH CORP	0.13%	US	USD	30%	30%	1
TJX COMPANIES INC	0.13%	US	USD	30%	30%	1
MONDELEZ INTERNATIONAL INC-A	0.13%	US	USD	30%	30%	1
WALGREENS BOOTS ALLIANCE INC	0.13%	US	USD	30%	30%	1
SOUTHERN CO/THE	0.13%	US	USD	30%	30%	1
ORACLE CORP	0.13%	US	USD	30%	30%	1
CONOCOPHILLIPS	0.13%	US	USD	30%	30%	1
GILEAD SCIENCES INC	0.13%	US	USD	30%	30%	1
ABBVIE INC	0.13%	US	USD	30%	30%	1
COLGATE-PALMOLIVE CO	0.13%	US	USD	30%	30%	1
QUALCOMM INC	0.13%	US	USD	30%	30%	1
CSX CORP	0.13%	US	USD	30%	30%	1

DOMINION ENERGY INC	0.13%	US	USD	30%	30%	1
T-MOBILE US INC	0.13%	US	USD	30%	30%	1
PHILIP MORRIS INTERNATIONAL	0.13%	US	USD	30%	30%	1
PROLOGIS INC	0.13%	US	USD	30%	30%	1
MERCK & CO. INC	0.13%	US	USD	30%	30%	1
ABBOTT LABORATORIES	0.13%	US	USD	30%	30%	1
EOG RESOURCES INC	0.13%	US	USD	30%	30%	1
DUKE ENERGY CORP	0.13%	US	USD	30%	30%	1
INTERCONTINENTAL EXCHANGE IN	0.13%	US	USD	30%	30%	1
CELGENE CORP	0.13%	US	USD	30%	30%	1
UNITED PARCEL SERVICE-CL B	0.13%	US	USD	30%	30%	1
MARSH & MCLENNAN COS	0.13%	US	USD	30%	30%	1
LOWE'S COS INC	0.13%	US	USD	30%	30%	1
ELI LILLY & CO	0.13%	US	USD	30%	30%	1
BAIDU INC - SPON ADR	0.13%	US	USD	30%	30%	1
ZOETIS INC	0.13%	US	USD	30%	30%	1

TEXAS INSTRUMENTS INC	0.13%	US	USD	30%	30%	1
WASTE MANAGEMENT INC	0.13%	US	USD	30%	30%	1
PAYPAL HOLDINGS INC	0.13%	US	USD	30%	30%	1
PEPSICO INC	0.13%	US	USD	30%	30%	1
CROWN CASTLE INTL CORP	0.13%	US	USD	30%	30%	1
HCA HEALTHCARE INC	0.13%	US	USD	30%	30%	1
MARRIOTT INTERNATIONAL -CL A	0.13%	US	USD	30%	30%	1
IBM	0.13%	US	USD	30%	30%	1
PNC FINANCIAL SERVICES GROUP	0.13%	US	USD	30%	30%	1
DANAHER CORP	0.13%	US	USD	30%	30%	1
ILLINOIS TOOL WORKS	0.13%	US	USD	30%	30%	1
CHUBB LTD	0.13%	US	USD	30%	30%	1
SALESFORCE.COM INC	0.13%	US	USD	30%	30%	1
CIGNA CORP	0.13%	US	USD	30%	30%	1
NVIDIA CORP	0.13%	US	USD	30%	30%	1
FEDEX CORP	0.13%	US	USD	30%	30%	1

DEERE & CO	0.13%	US	USD	30%	30%	1
SIMON PROPERTY GROUP INC	0.13%	US	USD	30%	30%	1
AUTOMATIC DATA PROCESSING	0.13%	US	USD	30%	30%	1
3M CO	0.13%	US	USD	30%	30%	1
UNION PACIFIC CORP	0.13%	US	USD	30%	30%	1
RAYTHEON COMPANY	0.13%	US	USD	30%	30%	1
HONEYWELL INTERNATIONAL INC	0.13%	US	USD	30%	30%	1
VERTEX PHARMACEUTICALS INC	0.13%	US	USD	30%	30%	1
GENERAL DYNAMICS CORP	0.13%	US	USD	30%	30%	1
ESTEE LAUDER COMPANIES-CL A	0.13%	US	USD	30%	30%	1
ASML HOLDING NV-NY REG SHS	0.13%	US	USD	30%	30%	1
ACCENTURE PLC-CL A	0.13%	US	USD	30%	30%	1
NORFOLK SOUTHERN CORP	0.13%	US	USD	30%	30%	1
ECOLAB INC	0.13%	US	USD	30%	30%	1
LINDE PLC	0.13%	US	USD	30%	30%	1
CME GROUP INC	0.13%	US	USD	30%	30%	1

NEXTERA ENERGY INC	0.13%	US	USD	30%	30%	1
STRYKER CORP	0.13%	US	USD	30%	30%	1
HOME DEPOT INC	0.13%	US	USD	30%	30%	1
WORKDAY INC-CLASS A	0.13%	US	USD	30%	30%	1
BIOGEN INC	0.13%	US	USD	30%	30%	1
S&P GLOBAL INC	0.13%	US	USD	30%	30%	1
BECTON DICKINSON AND CO	0.13%	US	USD	30%	30%	0.1
COSTCO WHOLESALE CORP	0.13%	US	USD	30%	30%	0.1
INTUIT INC	0.13%	US	USD	30%	30%	0.1
BROADCOM INC	0.13%	US	USD	30%	30%	0.1
ANTHEM INC	0.13%	US	USD	30%	30%	0.1
REGENERON PHARMACEUTICALS	0.13%	US	USD	30%	30%	0.1
THERMO FISHER SCIENTIFIC INC	0.13%	US	USD	30%	30%	0.1
ADOBE INC	0.13%	US	USD	30%	30%	0.1
NORTHROP GRUMMAN CORP	0.13%	US	USD	30%	30%	0.1
ILLUMINA INC	0.13%	US	USD	30%	30%	0.1

CHARTER COMMUNICATIONS INC-A	0.13%	US	USD	30%	30%	0.1
BLACKROCK INC	0.13%	US	USD	30%	30%	0.1
INTUITIVE SURGICAL INC	0.13%	US	USD	30%	30%	0.1
BOOKING HOLDINGS INC	0.13%	US	USD	30%	30%	0.1
CANOPY GROWTH CORP	0.13%	US	USD	30%	30%	1
KRAFT HEINZ CO	0.13%	US	USD	30%	30%	1
TARGET CORP	0.13%	US	USD	30%	30%	1
EBAY INC	0.13%	US	USD	30%	30%	1
DELTA AIR LINES INC	0.13%	US	USD	30%	30%	1
BP	0.16%	UK	GBP	30%	30%	100
AIRBUS	0.18%	FRE	EUR	30%	30%	1
UNITEDHEALTH GROUP INC	0.13%	US	USD	30%	30%	1
AMGEN INC	0.13%	US	USD	30%	30%	1
AMERICAN TOWER CORP	0.13%	US	USD	30%	30%	1
EMERSON ELECTRIC CO	0.13%	US	USD	30%	30%	1
PHILLIPS 66	0.13%	US	USD	30%	30%	1

PROGRESSIVE CORP	0.13%	US	USD	30%	30%	1
KIMBERLY-CLARK CORP	0.13%	US	USD	30%	30%	1
METLIFE INC	0.13%	US	USD	30%	30%	1
DOW INC	0.13%	US	USD	30%	30%	1
AIR PRODUCTS & CHEMICALS INC	0.13%	US	USD	30%	30%	1
BAXTER INTERNATIONAL INC	0.13%	US	USD	30%	30%	1
AON PLC	0.13%	US	USD	30%	30%	1
AMERICAN ELECTRIC POWER	0.13%	US	USD	30%	30%	1
SHERWIN-WILLIAMS CO/THE	0.13%	US	USD	30%	30%	0.1
MARATHON PETROLEUM CORP	0.13%	US	USD	30%	30%	1
ANALOG DEVICES INC	0.13%	US	USD	30%	30%	1
CAPITAL ONE FINANCIAL CORP	0.13%	US	USD	30%	30%	1
EDWARDS LIFESCIENCES CORP	0.13%	US	USD	30%	30%	1
APPLIED MATERIALS INC	0.13%	US	USD	30%	30%	1
PRUDENTIAL FINANCIAL INC	0.13%	US	USD	30%	30%	1
EQUINIX INC	0.13%	US	USD	30%	30%	0.1

AMERICAN INTERNATIONAL GROUP	0.13%	US	USD	30%	30%	1
BB&T CORP	0.13%	US	USD	30%	30%	1
AFLAC INC	0.13%	US	USD	30%	30%	1
FIDELITY NATIONAL INFO SERV	0.13%	US	USD	30%	30%	1
ACTIVISION BLIZZARD INC	0.13%	US	USD	30%	30%	1
ROPER TECHNOLOGIES INC	0.13%	US	USD	30%	30%	0.1
AUTODESK INC	0.13%	US	USD	30%	30%	1
TRAVELERS COS INC/THE	0.13%	US	USD	30%	30%	1
FORD MOTOR CO	0.13%	US	USD	30%	30%	10
CARNIVAL CORP	0.13%	US	USD	30%	30%	1
HUMANA INC	0.13%	US	USD	30%	30%	0.1
WILLIAMS COS INC	0.13%	US	USD	30%	30%	1
VALERO ENERGY CORP	0.13%	US	USD	30%	30%	1
FISERV INC	0.13%	US	USD	30%	30%	1
EATON CORP PLC	0.13%	US	USD	30%	30%	1
MOODY'S CORP	0.13%	US	USD	30%	30%	1

SEMPRA ENERGY	0.13%	US	USD	30%	30%	1
ROSS STORES INC	0.13%	US	USD	30%	30%	1
VF CORP	0.13%	US	USD	30%	30%	1
SYSCO CORP	0.13%	US	USD	30%	30%	1
NETEASE INC-ADR	0.13%	US	USD	30%	30%	0.1
XILINX INC	0.13%	US	USD	30%	30%	1
ALLSTATE CORP	0.13%	US	USD	30%	30%	1
ALEXION PHARMACEUTICALS INC	0.13%	US	USD	30%	30%	1
WELLTOWER INC	0.13%	US	USD	30%	30%	1
O'REILLY AUTOMOTIVE INC	0.13%	US	USD	30%	30%	0.1
YUM! BRANDS INC	0.13%	US	USD	30%	30%	1
DOLLAR GENERAL CORP	0.13%	US	USD	30%	30%	1
GENERAL MILLS INC	0.13%	US	USD	30%	30%	1
NXP SEMICONDUCTORS NV	0.13%	US	USD	30%	30%	1
HP INC	0.13%	US	USD	30%	30%	10
PUBLIC SERVICE ENTERPRISE GP	0.13%	US	USD	30%	30%	1

AMPHENOL CORP-CL A	0.13%	US	USD	30%	30%	1
SOUTHWEST AIRLINES CO	0.13%	US	USD	30%	30%	1
PAYCHEX INC	0.13%	US	USD	30%	30%	1
MONSTER BEVERAGE CORP	0.13%	US	USD	30%	30%	1
ADVANCED MICRO DEVICES	0.13%	US	USD	30%	30%	1
ONEOK INC	0.13%	US	USD	30%	30%	1
FORTIVE CORP	0.13%	US	USD	30%	30%	1
SIRIUS XM HOLDINGS INC	0.13%	US	USD	30%	30%	10
XCEL ENERGY INC	0.13%	US	USD	30%	30%	1
TE CONNECTIVITY LTD	0.13%	US	USD	30%	30%	1
IQVIA HOLDINGS INC	0.13%	US	USD	30%	30%	1
LAM RESEARCH CORP	0.13%	US	USD	30%	30%	1
AVALONBAY COMMUNITIES INC	0.13%	US	USD	30%	30%	1
EQUITY RESIDENTIAL	0.13%	US	USD	30%	30%	1
BAKER HUGHES A GE CO	0.13%	US	USD	30%	30%	1
SUNTRUST BANKS INC	0.13%	US	USD	30%	30%	1

CONSOLIDATED EDISON INC	0.13%	US	USD	30%	30%	1
PPG INDUSTRIES INC	0.13%	US	USD	30%	30%	1
CORNING INC	0.13%	US	USD	30%	30%	1
DIGITAL REALTY TRUST INC	0.13%	US	USD	30%	30%	1
HALLIBURTON CO	0.13%	US	USD	30%	30%	10
ZIMMER BIOMET HOLDINGS INC	0.13%	US	USD	30%	30%	1
AUTOZONE INC	0.13%	US	USD	30%	30%	0.1
STATE STREET CORP	0.13%	US	USD	30%	30%	1
TYSON FOODS INC-CL A	0.13%	US	USD	30%	30%	1
PIONEER NATURAL RESOURCES CO	0.13%	US	USD	30%	30%	1
HILTON WORLDWIDE HOLDINGS IN	0.13%	US	USD	30%	30%	1
DOLLAR TREE INC	0.13%	US	USD	30%	30%	1
CTRIP.COM INTERNATIONAL-ADR	0.13%	US	USD	30%	30%	1
WEC ENERGY GROUP INC	0.13%	US	USD	30%	30%	1
T ROWE PRICE GROUP INC	0.13%	US	USD	30%	30%	1
TRANSDIGM GROUP INC	0.13%	US	USD	30%	30%	0.1

ROYAL CARIBBEAN CRUISES LTD	0.13%	US	USD	30%	30%	1
MERCADOLIBRE INC	0.13%	US	USD	30%	30%	0.1
ARISTA NETWORKS INC	0.13%	US	USD	30%	30%	0.1
DISCOVER FINANCIAL SERVICES	0.13%	US	USD	30%	30%	1
HERSHEY CO/THE	0.13%	US	USD	30%	30%	1
PACCAR INC	0.13%	US	USD	30%	30%	1
ARCHER-DANIELS-MIDLAND CO	0.13%	US	USD	30%	30%	1
ALIGN TECHNOLOGY INC	0.13%	US	USD	30%	30%	0.1
MOTOROLA SOLUTIONS INC	0.13%	US	USD	30%	30%	1
HORMEL FOODS CORP	0.13%	US	USD	30%	30%	1
SYNCHRONY FINANCIAL	0.13%	US	USD	30%	30%	1
PARKER HANNIFIN CORP	0.13%	US	USD	30%	30%	1
WILLIS TOWERS WATSON PLC	0.13%	US	USD	30%	30%	1
PPL CORP	0.13%	US	USD	30%	30%	1
VENTAS INC	0.13%	US	USD	30%	30%	1
DTE ENERGY COMPANY	0.13%	US	USD	30%	30%	1

SBA COMMUNICATIONS CORP	0.13%	US	USD	30%	30%	1
EVERSOURCE ENERGY	0.13%	US	USD	30%	30%	1
M & T BANK CORP	0.13%	US	USD	30%	30%	1
CONCHO RESOURCES INC	0.13%	US	USD	30%	30%	1
VERISIGN INC	0.13%	US	USD	30%	30%	1
FOX CORP - CLASS A	0.13%	US	USD	30%	30%	1
UNITED CONTINENTAL HOLDINGS	0.13%	US	USD	30%	30%	1
VERISK ANALYTICS INC	0.13%	US	USD	30%	30%	1
REALTY INCOME CORP	0.13%	US	USD	30%	30%	1
MCKESSON CORP	0.13%	US	USD	30%	30%	1
FIRSTENERGY CORP	0.13%	US	USD	30%	30%	1
GLOBAL PAYMENTS INC	0.13%	US	USD	30%	30%	1
IHS MARKIT LTD	0.13%	US	USD	30%	30%	1
ROCKWELL AUTOMATION INC	0.13%	US	USD	30%	30%	1
HEWLETT PACKARD ENTERPRISE	0.13%	US	USD	30%	30%	10
LULULEMON ATHLETICA INC	0.13%	US	USD	30%	30%	1

CINTAS CORP	0.13%	US	USD	30%	30%	1
FLEETCOR TECHNOLOGIES INC	0.13%	US	USD	30%	30%	0.1
APTIV PLC	0.13%	US	USD	30%	30%	1
BOSTON PROPERTIES INC	0.13%	US	USD	30%	30%	1
STANLEY BLACK & DECKER INC	0.13%	US	USD	30%	30%	1
MICROCHIP TECHNOLOGY INC	0.13%	US	USD	30%	30%	1
ULTA BEAUTY INC	0.13%	US	USD	30%	30%	0.1
NORTHERN TRUST CORP	0.13%	US	USD	30%	30%	1
FIFTH THIRD BANCORP	0.13%	US	USD	30%	30%	1
CLOROX COMPANY	0.13%	US	USD	30%	30%	1
KLA-TENCOR CORP	0.13%	US	USD	30%	30%	1
MCCORMICK & CO-NON VTG SHRS	0.13%	US	USD	30%	30%	1
WEYERHAEUSER CO	0.13%	US	USD	30%	30%	1
CHIPOTLE MEXICAN GRILL INC	0.13%	US	USD	30%	30%	0.1
BALL CORP	0.13%	US	USD	30%	30%	1
KELLOGG CO	0.13%	US	USD	30%	30%	1

IDEXX LABORATORIES INC	0.13%	US	USD	30%	30%	0.1
ESSEX PROPERTY TRUST INC	0.13%	US	USD	30%	30%	0.1
BEST BUY CO INC	0.13%	US	USD	30%	30%	1
DISCOVERY INC-C	0.13%	US	USD	30%	30%	1
HARRIS CORP	0.13%	US	USD	30%	30%	1
NEWMONT MINING CORP	0.13%	US	USD	30%	30%	1
AMETEK INC	0.13%	US	USD	30%	30%	1
FREEPORT-MCMORAN INC	0.13%	US	USD	30%	30%	10
KROGER CO	0.13%	US	USD	30%	30%	10
FASTENAL CO	0.13%	US	USD	30%	30%	1
INTERNATIONAL PAPER CO	0.13%	US	USD	30%	30%	1
AMERICAN WATER WORKS CO INC	0.13%	US	USD	30%	30%	1
INCYTE CORP	0.13%	US	USD	30%	30%	1
CERNER CORP	0.13%	US	USD	30%	30%	1
LIBERTY GLOBAL PLC-A	0.13%	US	USD	30%	30%	1
AMERIPRISE FINANCIAL INC	0.13%	US	USD	30%	30%	1

HESS CORP	0.13%	US	USD	30%	30%	1
METTLER-TOLEDO INTERNATIONAL	0.13%	US	USD	30%	30%	0.1
CADENCE DESIGN SYS INC	0.13%	US	USD	30%	30%	1
NUCOR CORP	0.13%	US	USD	30%	30%	1
ENTERGY CORP	0.13%	US	USD	30%	30%	1
WATERS CORP	0.13%	US	USD	30%	30%	1
CBS CORP-CLASS B NON VOTING	0.13%	US	USD	30%	30%	1
AMEREN CORPORATION	0.13%	US	USD	30%	30%	1
HARTFORD FINANCIAL SVCS GRP	0.13%	US	USD	30%	30%	1
EXPEDIA GROUP INC	0.13%	US	USD	30%	30%	1
CHURCH & DWIGHT CO INC	0.13%	US	USD	30%	30%	1
SYNOPSIS INC	0.13%	US	USD	30%	30%	1
NETAPP INC	0.13%	US	USD	30%	30%	1
MSCI INC	0.13%	US	USD	30%	30%	1
FRANKLIN RESOURCES INC	0.13%	US	USD	30%	30%	1
WW GRAINGER INC	0.13%	US	USD	30%	30%	0.1

DXC TECHNOLOGY CO	0.13%	US	USD	30%	30%	1
CBRE GROUP INC - A	0.13%	US	USD	30%	30%	1
DIAMONDBACK ENERGY INC	0.13%	US	USD	30%	30%	1
KEYSIGHT TECHNOLOGIES IN	0.13%	US	USD	30%	30%	1
GARMIN LTD	0.13%	US	USD	30%	30%	1
KEYCORP	0.13%	US	USD	30%	30%	10
OMNICOM GROUP	0.13%	US	USD	30%	30%	1
GENUINE PARTS CO	0.13%	US	USD	30%	30%	1
BIOMARIN PHARMACEUTICAL INC	0.13%	US	USD	30%	30%	1
ALEXANDRIA REAL ESTATE EQUIT	0.13%	US	USD	30%	30%	1
VULCAN MATERIALS CO	0.13%	US	USD	30%	30%	1
AMERISOURCEBERGEN CORP	0.13%	US	USD	30%	30%	1
ANSYS INC	0.13%	US	USD	30%	30%	1
CITIZENS FINANCIAL GROUP	0.13%	US	USD	30%	30%	1
CMS ENERGY CORP	0.13%	US	USD	30%	30%	1
DR HORTON INC	0.13%	US	USD	30%	30%	1

DISH NETWORK CORP-A	0.13%	US	USD	30%	30%	1
LENNAR CORP-A	0.13%	US	USD	30%	30%	1
CENTERPOINT ENERGY INC	0.13%	US	USD	30%	30%	1
REGIONS FINANCIAL CORP	0.13%	US	USD	30%	30%	10
RESMED INC	0.13%	US	USD	30%	30%	1
MAXIM INTEGRATED PRODUCTS	0.13%	US	USD	30%	30%	1
HEALTHPEAK PROPERTIES INC	0.13%	US	USD	30%	30%	1
AMERICAN AIRLINES GROUP INC	0.13%	US	USD	30%	30%	1
NORTON LIFE LOCK	0.13%	US	USD	30%	30%	1
NASDAQ INC	0.13%	US	USD	30%	30%	1
COOPER COS INC/THE	0.13%	US	USD	30%	30%	0.1
DARDEN RESTAURANTS INC	0.13%	US	USD	30%	30%	1
WESTERN DIGITAL CORP	0.13%	US	USD	30%	30%	1
FORTINET INC	0.13%	US	USD	30%	30%	1
EQUIFAX INC	0.13%	US	USD	30%	30%	1
SKYWORKS SOLUTIONS INC	0.13%	US	USD	30%	30%	1

ARTHUR J GALLAGHER & CO	0.13%	US	USD	30%	30%	1
WYNN RESORTS LTD	0.13%	US	USD	30%	30%	1
EVERGY INC	0.13%	US	USD	30%	30%	1
COPART INC	0.13%	US	USD	30%	30%	1
XYLEM INC	0.13%	US	USD	30%	30%	1
HOST HOTELS & RESORTS INC	0.13%	US	USD	30%	30%	10
PRINCIPAL FINANCIAL GROUP	0.13%	US	USD	30%	30%	1
MGM RESORTS INTERNATIONAL	0.13%	US	USD	30%	30%	1
MYLAN NV	0.13%	US	USD	30%	30%	10
CARDINAL HEALTH INC	0.13%	US	USD	30%	30%	1
MARATHON OIL CORP	0.13%	US	USD	30%	30%	10
CINCINNATI FINANCIAL CORP	0.13%	US	USD	30%	30%	1
TELEFLEX INC	0.13%	US	USD	30%	30%	0.1
DOVER CORP	0.13%	US	USD	30%	30%	1
INTL FLAVORS & FRAGRANCES	0.13%	US	USD	30%	30%	1
HUNTINGTON BANCSHARES INC	0.13%	US	USD	30%	30%	10

WELLCARE HEALTH PLANS INC	0.13%	US	USD	30%	30%	0.1
GARTNER INC	0.13%	US	USD	30%	30%	1
ROLLINS INC	0.13%	US	USD	30%	30%	1
DEVON ENERGY CORP	0.13%	US	USD	30%	30%	1
SEAGATE TECHNOLOGY	0.13%	US	USD	30%	30%	1
EXPEDITORS INTL WASH INC	0.13%	US	USD	30%	30%	1
CONAGRA BRANDS INC	0.13%	US	USD	30%	30%	1
JM SMUCKER CO/THE	0.13%	US	USD	30%	30%	1
CITRIX SYSTEMS INC	0.13%	US	USD	30%	30%	1
CENTURYLINK INC	0.13%	US	USD	30%	30%	10
VORNADO REALTY TRUST	0.13%	US	USD	30%	30%	1
MOLSON COORS BREWING CO -B	0.13%	US	USD	30%	30%	1
CELANESE CORP	0.13%	US	USD	30%	30%	1
EXTRA SPACE STORAGE INC	0.13%	US	USD	30%	30%	1
TIFFANY & CO	0.13%	US	USD	30%	30%	1
VARIAN MEDICAL SYSTEMS INC	0.13%	US	USD	30%	30%	1

HOLOGIC INC	0.13%	US	USD	30%	30%	1
APACHE CORP	0.13%	US	USD	30%	30%	1
UDR INC	0.13%	US	USD	30%	30%	1
MARTIN MARIETTA MATERIALS	0.13%	US	USD	30%	30%	1
ABIOMED INC	0.13%	US	USD	30%	30%	0.1
MID-AMERICA APARTMENT COMM	0.13%	US	USD	30%	30%	1
LINCOLN NATIONAL CORP	0.13%	US	USD	30%	30%	1
ADVANCE AUTO PARTS INC	0.13%	US	USD	30%	30%	1
NOBLE ENERGY INC	0.13%	US	USD	30%	30%	10
NORWEGIAN CRUISE LINE HOLDIN	0.13%	US	USD	30%	30%	1
SVB FINANCIAL GROUP	0.13%	US	USD	30%	30%	1
QUEST DIAGNOSTICS INC	0.13%	US	USD	30%	30%	1
BROADRIDGE FINANCIAL SOLUTIO	0.13%	US	USD	30%	30%	1
C.H. ROBINSON WORLDWIDE INC	0.13%	US	USD	30%	30%	1
COMERICA INC	0.13%	US	USD	30%	30%	1
WABTEC CORP	0.13%	US	USD	30%	30%	1

AES CORP	0.13%	US	USD	30%	30%	10
TEXTRON INC	0.13%	US	USD	30%	30%	1
VIACOM INC-CLASS B	0.13%	US	USD	30%	30%	1
NRG ENERGY INC	0.13%	US	USD	30%	30%	1
TRACTOR SUPPLY COMPANY	0.13%	US	USD	30%	30%	1
KANSAS CITY SOUTHERN	0.13%	US	USD	30%	30%	1
ATMOS ENERGY CORP	0.13%	US	USD	30%	30%	1
RAYMOND JAMES FINANCIAL INC	0.13%	US	USD	30%	30%	1
CARMAX INC	0.13%	US	USD	30%	30%	1
MASCO CORP	0.13%	US	USD	30%	30%	1
KOHL'S CORP	0.13%	US	USD	30%	30%	1
REGENCY CENTERS CORP	0.13%	US	USD	30%	30%	1
CAMPBELL SOUP CO	0.13%	US	USD	30%	30%	1
DENTSPLY SIRONA INC	0.13%	US	USD	30%	30%	1
DUKE REALTY CORP	0.13%	US	USD	30%	30%	1
TAKE-TWO INTERACTIVE SOFTWARE	0.13%	US	USD	30%	30%	1

ALLIANT ENERGY CORP	0.13%	US	USD	30%	30%	1
CABOT OIL & GAS CORP	0.13%	US	USD	30%	30%	10
EASTMAN CHEMICAL CO	0.13%	US	USD	30%	30%	1
JACK HENRY & ASSOCIATES INC	0.13%	US	USD	30%	30%	1
LAMB WESTON HOLDINGS INC	0.13%	US	USD	30%	30%	1
PERKINELMER INC	0.13%	US	USD	30%	30%	1
TECHNIPFMC PLC	0.13%	US	USD	30%	30%	1
CBOE GLOBAL MARKETS INC	0.13%	US	USD	30%	30%	1
HASBRO INC	0.13%	US	USD	30%	30%	1
JACOBS ENGINEERING GROUP INC	0.13%	US	USD	30%	30%	1
PINNACLE WEST CAPITAL	0.13%	US	USD	30%	30%	1
MOSAIC CO/THE	0.13%	US	USD	30%	30%	10
NISOURCE INC	0.13%	US	USD	30%	30%	1
NATIONAL OILWELL VARCO INC	0.13%	US	USD	30%	30%	10
FMC CORP	0.13%	US	USD	30%	30%	1
FEDERAL REALTY INVS TRUST	0.13%	US	USD	30%	30%	1

IRON MOUNTAIN INC	0.13%	US	USD	30%	30%	1
RALPH LAUREN CORP	0.13%	US	USD	30%	30%	1
WESTROCK CO	0.13%	US	USD	30%	30%	1
F5 NETWORKS INC	0.13%	US	USD	30%	30%	1
GAP INC/THE	0.13%	US	USD	30%	30%	10
TAPESTRY INC	0.13%	US	USD	30%	30%	1
PACKAGING CORP OF AMERICA	0.13%	US	USD	30%	30%	1
AVERY DENNISON CORP	0.13%	US	USD	30%	30%	1
JUNIPER NETWORKS INC	0.13%	US	USD	30%	30%	1
UNITED RENTALS INC	0.13%	US	USD	30%	30%	1
PVH CORP	0.13%	US	USD	30%	30%	1
ALLIANCE DATA SYSTEMS CORP	0.13%	US	USD	30%	30%	1
CF INDUSTRIES HOLDINGS INC	0.13%	US	USD	30%	30%	1
TORCHMARK CORP	0.13%	US	USD	30%	30%	1
MOHAWK INDUSTRIES INC	0.13%	US	USD	30%	30%	1
HENRY SCHEIN INC	0.13%	US	USD	30%	30%	1

LKQ CORP	0.13%	US	USD	30%	30%	1
QORVO INC	0.13%	US	USD	30%	30%	1
DAVITA INC	0.13%	US	USD	30%	30%	1
SMITH (A.O.) CORP	0.13%	US	USD	30%	30%	1
ARCONIC INC	0.13%	US	USD	30%	30%	1
ZIONS BANCORP NA	0.13%	US	USD	30%	30%	1
ALLEGION PLC	0.13%	US	USD	30%	30%	1
NIELSEN HOLDINGS PLC	0.13%	US	USD	30%	30%	10
WHIRLPOOL CORP	0.13%	US	USD	30%	30%	1
BORGWARNER INC	0.13%	US	USD	30%	30%	1
COTY INC-CL A	0.13%	US	USD	30%	30%	10
HOLLYFRONTIER CORP	0.13%	US	USD	30%	30%	1
WESTERN UNION CO	0.13%	US	USD	30%	30%	10
INTERPUBLIC GROUP OF COS INC	0.13%	US	USD	30%	30%	10
INVESCO LTD	0.13%	US	USD	30%	30%	10
ROBERT HALF INTL INC	0.13%	US	USD	30%	30%	1

SL GREEN REALTY CORP	0.13%	US	USD	30%	30%	1
PENTAIR PLC	0.13%	US	USD	30%	30%	1
KIMCO REALTY CORP	0.13%	US	USD	30%	30%	10
PULTEGROUP INC	0.13%	US	USD	30%	30%	1
MACY'S INC	0.13%	US	USD	30%	30%	10
XEROX CORP	0.13%	US	USD	30%	30%	1
L BRANDS INC	0.13%	US	USD	30%	30%	1
UNUM GROUP	0.13%	US	USD	30%	30%	1
APARTMENT INVT & MGMT CO -A	0.13%	US	USD	30%	30%	1
NEWS CORP - CLASS B	0.13%	US	USD	30%	30%	10
TRIPADVISOR INC	0.13%	US	USD	30%	30%	1
ALASKA AIR GROUP INC	0.13%	US	USD	30%	30%	1
SEALED AIR CORP	0.13%	US	USD	30%	30%	1
CAPRI HOLDINGS LTD	0.13%	US	USD	30%	30%	1
CIMAREX ENERGY CO	0.13%	US	USD	30%	30%	1
FOOT LOCKER INC	0.13%	US	USD	30%	30%	1

NORDSTROM INC	0.13%	US	USD	30%	30%	1
FORTUNE BRANDS HOME & SECURI	0.13%	US	USD	30%	30%	1
FLIR SYSTEMS INC	0.13%	US	USD	30%	30%	1
NEWELL BRANDS INC	0.13%	US	USD	30%	30%	10
HANESBRANDS INC	0.13%	US	USD	30%	30%	10
HELMERICH & PAYNE	0.13%	US	USD	30%	30%	1
MACERICH CO/THE	0.13%	US	USD	30%	30%	1
FLOWSERVE CORP	0.13%	US	USD	30%	30%	1
HARLEY-DAVIDSON INC	0.13%	US	USD	30%	30%	1
ASSURANT INC	0.13%	US	USD	30%	30%	1
NEKTAR THERAPEUTICS	0.13%	US	USD	30%	30%	1
JEFFERIES FINANCIAL GROUP IN	0.13%	US	USD	30%	30%	10
AFFILIATED MANAGERS GROUP	0.13%	US	USD	30%	30%	1
LEGGETT & PLATT INC	0.13%	US	USD	30%	30%	1
QUANTA SERVICES INC	0.13%	US	USD	30%	30%	1
FLUOR CORP	0.13%	US	USD	30%	30%	1

H&R BLOCK INC	0.13%	US	USD	30%	30%	1
MATTEL INC	0.13%	US	USD	30%	30%	10
LEVI STRAUSS & CO	0.13%	US	USD	30%	30%	10
SHAKE SHACK INC	0.13%	US	USD	30%	30%	1
WORLD WRESTLING ENTERTAINMENT INC	0.13%	US	USD	30%	30%	1
LYFT INC	0.13%	US	USD	30%	30%	1
PINTEREST INC	0.13%	US	USD	30%	30%	1
BEYOND MEAT INC	0.13%	US	USD	30%	30%	1
ZOOM VIDEO COMMUNICATIONS INC	0.13%	US	USD	30%	30%	1
SONY CORP	0.13%	US	USD	30%	30%	1
ELECTRONIC ARTS INC	0.13%	US	USD	30%	30%	1
MODERNA	0.13%	US	USD	30%	30%	1
PELOTON	0.13%	US	USD	30%	30%	1
AIRBNB	0.13%	US	USD	30%	30%	10

Bonds				CA	US										
Instrument	Spread	Country	Currency	Margin	Margin	Min Trade Size	Increment	Overnight Interest (daily) – Sell	Overnight Interest (daily) – Buy	Trading hours (GMT)	Quoted months	Exchange	Units	Symbol	Exclusive to MT5
EURO-BUND	0.03 Over Market	EU R	EUR	15.00 %	15.00 %	10	0.01	-0.0042%	-0.0042%	07:00-20:59	Mar, Jun, Sep, Dec	EUREX	Bond	EURO-BUND	No
JAPAN GOVT BOND	0.06 Over Market	JP	JPY	15.00 %	15.00 %	100	0.01	-0.0042%	-0.0042%	23:45-09:09 & 10:30-17:59	Mar, Jun, Sep, Dec	SGX - Singapore Derivatives Exchange	Bond	JAPAN_BOND	No

Explanation of Terms: *from table headings

Instrument – The FX currency pair or underlying asset of the CFD product to be traded.

Country – The country that the equity or bond is based in.

Lot size – The lot size traded on each platform (Note: Ava Trader lot sizes represent the minimum lot size tradable. MT4 represents the standard lot size).

Standard Spread – The difference between the BID & the ASK price quote for each instrument under normal market conditions.

Leverage – The usage of margin to trade on a larger capital base. Leverage can significantly increase your losses as well as your gains.

Margin Per Lot – The required margin to open a single lot of each instrument (Note: It is shown in notional terms).

Increment – The minimum increment of price movement for each instrument.

Overnight Interest Sell/Buy – The overnight interest debited/credited in daily % terms for each instrument.

Trading Time – The time that trading is available for the specified instrument.

Quoted Months – The months of the futures contracts that AvaTrade quotes on its platforms.

Exchange – The exchange of the underlying asset.

Units – The unit that each lot size is quoted in.

Risk Warning:

Trading CFD's on margin carries a high level of risk, and may not be suitable for all investors.

TRADING CHARGES:

All trading performed on this website/platform shall be subject to the following potential charges:

- **SPREADS**
- **OVERNIGHT INTEREST**
- **MATURITY ROLLOVER**
- **CORPORATE ACTIONS**
- **INACTIVITY FEE**

FX FIXED (3)

FX Spread Calculation

The **FX** Trading Conditions display the Standard Bid-Ask Spread (Pips) for FX Instruments unless otherwise stated. Standard Spreads are as stated under Normal Market Conditions. Spreads can widen depending on market conditions.

Spread Cost Formula: Spread x Trade Size = Spread Charge in Secondary Currency*

*Secondary Currency is the Second Currency quoted in an FX pair (CUR1/CUR2 USD/JPY, EUR/USD, etc.)

Example

For a 1,000 EUR/USD Trade, with a Spread of 3 pips (0.0003), the calculation is as follows:

$$0.0003 \times 1,000 = \$0.30^*$$

AvaTrade is compensated through the Bid-Ask spread, except when otherwise stated.

AvaTrade does not charge commissions on any trade.

FX Margin/Leverage Calculation

All Instruments are traded on Margin allowing you to Leverage your positions. The **FX** Trading Conditions display both Margin & Leverage Amounts; Margin is displayed as a Percentage (%) while Leverage is displayed as a Ratio.

$$\text{Percentage Margin Formula: Trade Size} \times \text{Margin (\%)} = \text{Margin Required in Primary Currency}^*$$

$$\text{Leverage Margin Formula: Trade Size} / \text{Leverage} = \text{Margin Required in Primary Currency}^*$$

*Primary Currency is the First Currency quoted in an FX pair (CUR1/CUR2: USD/JPY, EUR/USD, etc.)

Example

For a 1,000 EUR/USD Trade, with a Margin Requirement of 0.50% or Leverage of 200:1, the calculation are as follows:

Percentage Margin Requirement: $1,000 \times 0.005 = \text{€}5.00$

Leverage Margin Requirement: $1,000 / 200 = \text{€}5.00$

FX Buy/Sell Overnight Interest Calculation

The **FX** Trading Conditions display the Over-Night (O/N) Interest Rates Charged/Paid on a daily basis for holding a position open past our End of Day time. These rates are displayed in the “Overnight Interest – Buy” and “Overnight Interest – Sell” columns. End of Day is 22:00 GMT except during Daylight Savings when it changes to 21:00 GMT.

You can use the following formula to calculate your Daily Overnight Interest amount:

Trade Amount x Daily Overnight Interest = Daily Overnight Interest Charged/Paid*

*Overnight Interest Charged/Paid will be calculated in the Primary Currency; Primary Currency is the First Currency quoted in an FX pair (CUR1/CUR2: USD/JPY, EUR/USD, etc.)

Example

For a 1,000 EUR/USD Trade, with a Daily Overnight Interest Buy (or Sell) rate of -0.0053% and subject to a charge for 1 day, the calculation is as follows:

$$1,000 \times -0.000053 = -0.053 = \text{-€}0.05^* \text{ rounded}$$

Note: Ava Trade platforms display overnight interest (swaps) in annualised terms.

Commodities Spread Calculation

The **Commodities** Trading Conditions display the Standard Bid-Ask Spread OR 'Spread Over Market' for Commodity Instruments unless otherwise stated. Standard Spreads are as stated under Normal Market Conditions while the 'Spread Over Market' is the Mark-up AVATRADE adds to the Current Market Spread.

Spread Cost Formula: Spread x Trade Size = Spread Charge in Currency Instrument is denominated in.

Example

For a 10 barrel Crude Oil Trade, with a Spread of 4 pips (\$0.04), the calculation is as follows:

$$0.04 \times 10 = \$0.40^*$$

AvaTrade is compensated through the Bid-Ask spread, except when otherwise stated.

AvaTrade does not charge commissions on any trade.

Commodities Margin Calculation

All Instruments are traded on Margin allowing you to Leverage your positions. The **Commodities** Trading Conditions display Margin Amounts as a Percentage (%).

Percentage Margin Formula: Position Size x Current Price x Margin (%) = Margin Required*

* Margin Required is calculated in the Currency the Instrument is Denominated in.

Example

For a 10 barrel Crude Oil Trade, with a Market Price of \$98.00 and a Margin Requirement of 1.00%, the calculation is as follows:

Percentage Margin Requirement: $10 \times 98 \times 0.01 = \9.80^*

Commodities Buy/Sell Overnight Interest Calculation

The **Commodities** Trading Conditions display the Over-Night (O/N) Interest Rates Charged/Paid on a daily basis for holding a position open past the End of Day time. These are displayed in the “Overnight Interest – Buy” and “Overnight Interest – Sell” columns. End of Day is 22:00 GMT except during Daylight Savings when it changes to 21:00 GMT.

You can use the following formula to calculate your Overnight Interest amount:

Trade Size x End of Day Market Price x Daily Overnight Interest = Daily Overnight Interest Charged/Paid*

*Overnight Interest Charged/Paid is calculated in the Currency the Instrument is Denominated in.

Example

For a 10 barrel Crude Oil Trade, with an End of Day Market Price of \$50.00 and a Daily Overnight Interest Buy (or Sell) rate of -0.0028%, and subject to a charge for 1 day, the calculation is as follows:

$$10 \times 50.00 \times -0.000028 = -0.014 = -\$0.01^* \text{ rounded.}$$

Note: Ava Trade platforms display overnight interest (swaps) in annualised terms.

Stock Indices Spread Calculation

The **Stock Indices** Trading Conditions display the 'Spread Over Market' for Stock Index Instruments unless otherwise stated. The 'Spread Over Market' is the Mark-up AVATRADE adds to the Current Market Spread.

Spread Cost Formula: Spread x Trade Size = Spread Charge in Currency Instrument is denominated in.

Example 1

For a 1 index S&P500 Trade, with a Spread of 75 Pips (\$0.75), the calculation is as follows:

$$0.75 \times 1 = \$0.75^*$$

AvaTrade is compensated through the Bid-Ask spread, except when otherwise stated.

AvaTrade does not charge commissions on any trade.

Stock Indices Margin Calculation

All Instruments are traded on Margin allowing you to Leverage your positions. The **Stock Indices** Trading Conditions display Margin Amounts as a Percentage (%).

Percentage Margin Formula: Position Size x Current Price x Margin (%) = Margin Required*

* Margin Required is calculated in the Currency the Instrument is Denominated in.

Example

For a 1 Index S&P500 Trade, with a Market Price of \$1400 and a Margin Requirement of 0.50%, the calculation is as follows:

Percentage Margin Requirement: $1 \times 1,400 \times 0.005 = \7.00^*

Stock Indices Buy Sell Overnight Interest Calculation

The **Stock Indices** Trading Conditions display the Over-Night (O/N) Interest Rates Charged/Paid on a daily basis for holding a position open past the End of Day time. These are displayed in the “Overnight Interest – Buy” and “Overnight Interest – Sell” columns. End of Day is 22:00 GMT except during Daylight Savings when it changes to 21:00 GMT.

You can use the following formula to calculate your Overnight Interest amount:

Trade Size x End of Day Market Price x Daily Overnight Interest = Daily Overnight Interest Charged/Paid*

*Overnight Interest Charged/Paid is calculated in the Currency the Instrument is Denominated in.

Example

For a 1 Index S&P500 Trade, with an End of Day Market Price of \$2000 and a Daily Overnight Interest Buy (or Sell) rate of -0.0028%, and subject to a charge for 1 day, the calculation is as follows:

$$1 \times 2,000 \times -0.000028 = -0.056 = -\$0.06^* \text{ rounded.}$$

Note: Ava Trade platforms display overnight interest (swaps) in annualised terms.

Individual Equities Spread Calculation

The **Individual Equities** Trading Conditions display the 'Spread Over Market' for Individual Equity Instruments unless otherwise stated. The 'Spread Over Market' is the Mark-up AVATRADE adds to the Current Market Spread.

Spread Cost Formula: Spread x Trade Size = Spread Charge in Currency Instrument is denominated in.

Example

For a trade of 1 APPLE share, with a Spread of 12 pips (0.12), the calculation is as follows:

$$0.12 \times 1 = \$0.12^*$$

AvaTrade is compensated through the Bid-Ask spread, except when otherwise stated.

AvaTrade does not charge commissions on any trade.

Individual Equities Margin Calculation

All Instruments are traded on Margin allowing you to Leverage your positions. The **Individual Equities** Trading Conditions display Margin Amounts as a Percentage (%).

Percentage Margin Formula: Position Size x Current Price x Margin (%) = Margin Required*

**Margin Required is calculated in the Currency the Instrument is Denominated in.*

AVA may double margin requirements on specific stocks prior to earnings release. This is a preventative measure to avoid clients with large exposures in the said equity, falling into negative equity.

Example

For a trade of 1 APPLE share with a Market Price of \$500 and a Margin Requirement of 5.00%, the calculation is as follows:

$$\text{Percentage Margin Requirement: } 1 \times 500 \times 0.05 = \$25.00^*$$

Individual Equities Buy/Sell Overnight Interest Calculation

The **Individual Equities** Trading Conditions display the Over-Night Interest Rates Charged/Paid on a daily basis for holding a position open past the End of Day time. These are displayed in the “Overnight Interest – Buy” and “Overnight Interest – Sell” columns. End of Day is 22:00 GMT except during Daylight Savings when it changes to 21:00 GMT.

You can use the following formula to calculate your Overnight Interest amount:

$$\text{Trade Size} \times \text{End of Day Market Price} \times \text{Daily Overnight Interest} = \text{Daily Overnight Interest Charged/Paid}^*$$

* Overnight Interest Charged/Paid is calculated in the Currency the Instrument is Denominated in.

Example

For a trade of 1 APPLE share, with an End of Day Market Price of \$140 and a Daily Overnight Interest Buy (or Sell) rate of -0.0083%, and subject to a charge for 1 day, the calculation is as follows:

$$1 \times 140 \times -0.000083 = -0.012 = -\$0.01^* \text{ rounded.}$$

Note: Ava Trade platforms display overnight interest (swaps) in annualised terms.

Individual Equities Corporate Actions & Calculation

Individual Equities may at some stage partake in a Corporate Action; these can include Dividends, Rights Issues, Stock/Reverse Splits, Mergers, Acquisitions, Takeovers etc.

Dividends: For any individual equity on the AVATRADE trading platforms that declares a dividend, AVATRADE will make an Adjustment to every account that holds said equity, at the end of the cum-dividend day. This will be one day before the ex-dividend day.

The adjustment made to accounts will be:

1. **Long Positions** will be Credited with 90% of the Gross dividend.

$$(\text{Amount of Shares} \times \text{Gross Dividend}) \times 0.90$$

2. **Short Positions** will be Debited with 100% of the Gross dividend.

$$(\text{Amount of Shares} \times \text{Gross Dividend}) \times -1$$

Note: There are no other costs to clients in relation to Dividends.

Example

For a trade of 1 APPLE share, with a GROSS Div. of \$1.00, the calculation is as follows:

Long Position: $(1 \times 1.00) \times 0.90 = 1.00 \times 0.90 = +\0.90

Short Position: $(1 \times 1.00) \times -1 = 1.00 \times -1 = -\1.00

For ALL other Corporate Actions: Rights Issue, Stock/Reverse Splits, Mergers, Acquisitions, Takeovers etc, and as these actions can happen suddenly and without prior knowledge, Open Positions and Orders will be Closed/Removed at the end of the cum-action day at market price on the particular equity.

Note: There are no costs to clients in relation to these other Corporate Actions.

Bonds Spread Calculation

The Bonds Trading Conditions display the 'Spread Over Market' for Bond Instruments unless otherwise stated. The 'Spread Over Market' is the Mark-up Friedberg Direct adds to the Current Market Spread.

Spread Cost Formula: Spread x Trade Size = Spread Charge in Currency Instrument is denominated in.

Example

For a trade of 10 Bonds on the 5 Year US T-NOTE, with a Spread of 5 pips (0.05), the calculation is as follows:

$$0.05 \times 10 = \$0.50^*$$

Friedberg Direct is compensated through the Bid-Ask spread, except when otherwise stated.

Friedberg Direct does not charge commissions on any trade.

Bonds Margin Calculation

All Instruments are traded on Margin allowing you to Leverage your positions. The Bonds Trading Conditions display Margin Amounts as a Percentage (%).

Percentage Margin Formula: Position Size x Current Price x Margin (%) = Margin Required*

* Margin Required is calculated in the Currency the Instrument is Denominated in.

Example

For a trade of 10 Bonds on the 5 Year US T-NOTE, with a Market Price of \$124.50 and a Margin Requirement of 4.00%, the calculation is as follows:

$$\text{Percentage Margin Requirement: } 10 \times 124.50 \times 0.04 = \$50 \text{ USD/ } \$65 \text{ CAD}^*$$

Bonds Buy/Sell Overnight Interest Calculation

The Bonds Trading Conditions display the Over-Night (O/N) Interest Rates Charged/Paid on a daily basis for holding a position open past the End of Day time. These are displayed in the “Overnight Interest – Buy “and “Overnight Interest – Sell” columns. End of Day is 22:00 GMT except during Daylight Savings when it changes to 21:00 GMT.

You can use the following formula to calculate your Overnight Interest amount:

Trade Size x End of Day Market Price x Daily Overnight Interest = Daily Overnight Interest Charged/Paid*

*Overnight Interest Charged/Paid is calculated in the Currency the Instrument is Denominated in.

Example

For a 10 Bond 5 Year US T-NOTES Trade, with an End of Day Market Price of \$150 and a Daily Overnight Interest Buy (or Sell) rate of -0.0028%, and subject to a charge for 1 day, the calculation is as follows:

$10 \times 150 \times -0.000028 = -0.042 = -\0.04^* rounded.

Note: FD platforms display overnight interest (swaps) in annualized terms.

Inactivity Fee

Customer acknowledges that the Customer’s trading account may be subject to an inactivity fees unless prohibited by law. After 3 consecutive months of non-use (“Inactivity Period”), and every successive Inactivity Period, an inactivity fee will be deducted from the value of the Customer’s trading account. This fee is outlined below and subject to client relevant currency based account:

Inactivity Fee:

- USD Account: \$50
- CAD Account: \$50

Applicable fees subject to change periodically.

Administration fee

Customer acknowledges that the Customer's trading account may be subject to an annual administration fee unless prohibited by law. After 12 consecutive months of non-use ("Annual Inactivity Period"), an administration fee will be deducted from the value of the Customer's trading account. This fee is outlined below and subject to client relevant currency based account: This is to offset the cost incurred in making the service available, even though it may not be used.

Administration Fee:

- USD Account: \$100
- CAD Account: \$100

Applicable fees subject to change periodically.

Trading Conditions:

TRADING CONDITIONS:

Spreads:

- All Spreads are Over Market.
- FX Standard Spreads are as stated under Normal Market Conditions.
- FX Pairs may not be tradable shortly before and after End-of-Day (22:00 GMT or 21:00 GMT during US DST) – due to liquidity constraints during the Interbank settlement period
- Gold & Silver spreads may be wider than stated from approx 22:00 – 02:00 GMT.

- Crude & Brent Oil spreads may be wider than stated from approx 22:00 – 05:00 GMT.
- Crude Oil & Natural Gas spreads may be wider during Weekly Inventories.
- PIP FX Pairs = 0.0001; 1 PIP JPY FX Pairs = 0.01.

Overnight Interest Rates:

- All Overnight Interest Rates are indicative and subject to change.
- MT4 FX, Gold & Silver Positions: Saturday/Sunday Overnight Interest will be Debited/Credited on the Wednesday before.
- MT4 Non-FX (excl. Gold & Silver) Positions: Saturday/Sunday Overnight Interest will be Debited/Credited on the Friday before.

Margin:

- Margin requirements can increase based on position size.

Maximum Trades/Orders:

- MetaTrader Minimum Nominal Trade Size = 0.01
- Trading Hours may change due to Daylight Savings Time.

Max Positions Limits

- Palladium = \$400K Max*

* Maximum Position Limits may be reduced during periods of volatility.

Friedberg Direct reserves the right to cancel any excess trades or exposures that exceed the outlined threshold limits, all cancelled trades will be closed at their opening rates.

Friedberg Direct reserves the right to modify its threshold limits, affected clients will be notified in advance and may be required to reduce their exposure.

Your access to and use of the website and/or platform constitutes your acceptance of these Trading Conditions and any other legal notices and statements contained on same. Friedberg Direct may modify these Trading Conditions at any time and without prior notice. Your continued access to and use of the website and/or platform constitutes your acceptance of these Trading Conditions as modified.