ELX Eurodollar Futures Product Overview

The ELX Futures System provides support for trading Quarterly and Serial Eurodollar contracts, Eurodollar Calendar Spreads, and limited Eurodollar Packs and Bundles.

Eurodollars are US dollars deposited in commercial banks outside the US.

Eurodollar Futures are futures contracts designed to reflect market expectations for interest rates on three-month Eurodollar deposits for specific dates in the future.

The underlying instrument of Eurodollar Futures is Eurodollar Time Deposits having a principal value of $1,000,000 USD with a three-month maturity.

Eurodollars are cash settled as determined by the three-month LIBOR on the last trading day.

Eurodollar Futures

ELX provides trading for traditional Eurodollar Futures products out five years.

Eurodollar Futures are quoted as decimal values and displayed in basis points equal to 100 minus the rate on an annual basis over a 360-day year (where one basis point (.01) equals $25).

The nearest expiring contract month (front month), regardless of whether it is a quarterly or serial contract, trades in minimum price increments of one-quarter of one basis point (0.0025) with a value of $6.25 per contract.

All other contract months trade with a minimum price increment of one-half of one basis point (0.005) with a value of $12.50 per contract.

On the last trading day of the *expiring* contract month, the *new* front month contract (quarterly or serial) begins trading in 0.0025 price increments at the start of the trading day. On this day, **both** the *expiring* contract month and the *new* front month contract trade at the reduced price increment.

Calendar Spreads

ELX supports trading for Calendar Spreads for Eurodollar Futures with implied capabilities between select spreads and their underlying quarterly and serial contracts. Calendar Spreads allow market participants to simultaneously buy and sell two contracts with different delivery months.

Calendar Spread Price Format

Calendar Spreads are priced as a spread between the two underlying future contracts. Calendar Spreads are displayed in decimal format.
Calendar Spreads between a contract trading at a ¼ of a basis point and any other contract will trade at a reduced tick of ¼ of a basis point.

All other Calendar Spreads will trade in ½ basis points.

Packs and Bundles

ELX offers trading for 1 year Packs and 2 year, 3 year, 4 year and 5 year Bundles. Implied functionality will not be supported for Packs and Bundles.

The Pack strategy allows market participants to simultaneously buy or sell a series of four consecutive quarterly contracts, while the Bundle Strategy allows for the simultaneous buy or sell of eight, twelve, sixteen or twenty consecutive quarterly contracts. Packs and Bundles are also commonly known as a series.

> For example, a buyer of a Jun 11 Eurodollar Pack is simultaneously purchasing an equal number of contracts in Eurodollar GEe Jun 11, GEe Sep 11, GEe Dec 11 and GEe Mar 12 contracts. Conversely, a seller of a Jun 11 Eurodollar Pack is simultaneously selling an equal number of the same contracts.

Packs and Bundles Price Format

Packs and Bundles are quoted on an average net change from the previous day's settlement in increments of ¼ of a basis point. On execution, a pricing algorithm is used to determine the execution price for each of the legs of the strategy to achieve the executed average net change of the group of traded contracts.

ELX Packs and Bundles are submitted as their decimal value consistent with the price convention of the outright contracts and calendar spreads. A display format is provided to assist applications in displaying Pack and Bundle prices in a more appropriate form.

For example, a Pack price of 3 ½ basis points is submitted as 0.035 however, it may be displayed as 3.50 in third party applications.

Matching Rules

Pre-Opening Period

Prior to the regular trading session, ELX operates a "Pre-Opening Period". During this time, Limit and Market On Open orders may be entered into the ELX System for execution upon open or for execution in the Trading Day generally.

Regular Trading Session

During the regular trading session, ELX Eurodollar Outright Futures and Calendar Spreads operate using a combined FIRST and PRO RATA matching algorithm.

ELX Eurodollar Packs and Bundles operate using a FIFO matching algorithm.

Outrights and Calendar Spreads

All outright contracts and calendar spreads are matched using a priority allocation to the first market that created the better price level (FIRST) followed by a PRO RATA distribution.

The FIRST allocation is awarded to displayed quantity of the first market that created the better price level.

Following the FIRST allocation, 100% of the remaining aggressive quantity is distributed to the remaining qualifying resting orders in proportion to their size relative to the total resting quantity. As defined by the matching criteria, PRO RATAallocation is distributed in sizes >= 2. Therefore, resting orders with a calculated proportionate quantity less than 2 are skipped and will not receive any portion of the PRO RATA distribution. Orders skipped will retain their queue placement for the subsequent allocation phases.

All remaining aggressive quantity is distributed to the resting order book using FIFO allocation.

For clarification purposes, FIRST allocation is only eligible for displayed quantity. Reserve quantity associated with the first market that created the price level will only be considered after the allocation of the incoming order to the full displayed quantity of the resting order book.

Additionally, any reload of quantity from the reserve of the FIRST resting order does not qualify for subsequent FIRST allocations.

Packs and Bundles

All packs and bundles are matched using a FIFO matching algorithm.

Contract Specifications Summary

Product Name	Eurodollar Futures
Contract Size	Eurodollar Time Deposit having a principal value of USD $1,000,000 with a three-month maturity.
Tick Size	One-quarter of one basis point (0.0025 = $6.25 per contract) in the nearest expiring contract month; One-half of one basis point (0.005 = $12.50 per contract) in all other contract months. The "new" front-month contract begins trading in 0.0025 increments at 6:00 pm Eastern Time (ET), on the Sunday before the Monday on which the "old" expiring contract ceases trading.
Price Quote	Quoted in Three-Month LIBOR index points or 100 minus the rate on an annual basis over a 360 day year (e.g., a rate of 2.5% shall be quoted as 97.50). 1 basis point = .01 = $25.
Quarterly Contract Months	Mar, Jun, Sep, Dec
Serial Contract Months	Jan, Feb, Apr, May, Jul, Aug, Oct, Nov
Last Trading Day	The second London bank business day prior to the third Wednesday of the contract expiry month. Trading in the expiring contract closes at 11:00 a.m. London Time on the last trading day. If it is a bank holiday in New York or Chicago, trading terminates on the first London bank business day preceding the 3rd Wednesday of the contract month. If an exchange holiday, trading terminates on the next preceding business day.
Delivery Method	Cash Settled
Final Settlement	Expiring contracts are cash settled to 100 minus the British Bankers' Association survey of 3-month U.S. Dollar LIBOR on the last trading day. Final settlement price will be rounded to four decimal places, equal to 1/10,000 of a percent, or $0.25 per contract.
Trading Hours	Pre-Open 5:45 p.m., Open 6:00 p.m., Close 5:00 p.m. Eastern Time, Sunday through Thursday.
Ticker Symbols	GEe

Contract Symbology

The following symbology describes the contract names provided directly from the ELX Futures System. Please refer to the ELX website (www.elxfutures.com) for contract symbology for specific market data vendors.

Outright Eurodollar Contract	GEe *MMM YY*	*MMM YY* Eurodollar
Eurodollar Calendar Spread	GEe *MYY MYY*	*MYY MYY* Eurodollar Spread
Eurodollar Packs	GEe: PK 1Y *MYY*	*MYY* Eurodollar Pack
Eurodollar Bundle	GEe: FB 2Y *MYY* GEe: FB 3Y *MYY* GEe: FB 4Y *MYY* GEe: FB 5Y *MYY*	*MYY 2Y* Eurodollar Bundle *MYY 3Y* Eurodollar Bundle *MYY 4Y* Eurodollar Bundle *MYY 5Y* Eurodollar Bundle

Instrument Nomenclature	*Display Values*	*Instrument Field Description*
MMM	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	3 Character Expiry Month
YY	11,12,13….	2 Character Expiry Year
M	F,G,**H**,J,K,**M**,N,Q,**U**,V,X,**Z**	Single Character Month Code
CC	GEe	3 character contract code

Rolling Schedule

ELX lists a total of 24 Eurodollar futures contracts at all times; quarterly contracts spanning five years plus the four nearest serial monthly contracts.

ELX lists select Calendar Spreads for outright quarterly and serial contract combinations.

Quarterly Contracts

ELX lists a total of twenty quarterly contracts on a forward basis including the front month contract. On expiry, all related contracts will no longer be available for trading.

As a contract becomes the front month contract, the minimum tradable increment will be reduced from ½ a basis point to ¼ of a basis point. All other quarterly contracts will have a tradable increment of ½ of a basis point.

Type	*Instrument Name (Example as of March 1st)*	*Instrument Description*	*Color Group*
Quarterly	GEe Mar 11	Mar 11 Eurodollar	WHITE
	GEe Jun 11	Jun 11 Eurodollar	WHITE
	GEe Sep 11	Sep 11 Eurodollar	WHITE
	GEe Dec 11	Dec 11 Eurodollar	WHITE
	GEe Mar 12	Mar 12 Eurodollar	RED
	GEe Jun 12	Jun 12 Eurodollar	RED
	GEe Sep 12	Sep 12 Eurodollar	RED
	GEe Dec 12	Dec 12 Eurodollar	RED
	GEe Mar 13	Mar 13 Eurodollar	GREEN
	GEe Jun 13	Jun 13 Eurodollar	GREEN
	GEe Sep 13	Sep 13 Eurodollar	GREEN
	GEe Dec 13	Dec 13 Eurodollar	GREEN
	GEe Mar 14	Mar 14 Eurodollar	BLUE
	GEe Jun 14	Jun 14 Eurodollar	BLUE
	GEe Sep 14	Sep 14 Eurodollar	BLUE
	GEe Dec 14	Dec 14 Eurodollar	BLUE
	GEe Mar 15	Mar 15 Eurodollar	GOLD
	GEe Jun 15	Jun 15 Eurodollar	GOLD
	GEe Sep 15	Sep 15 Eurodollar	GOLD
	GEe Dec 15	Dec 15 Eurodollar	GOLD

Serial Contracts

Serial contracts are identical to quarterly Eurodollar Futures with the exception of the expiration date. Serial contracts expire in months other than those in the March, June, September and December quarterly cycle.

The four nearest serial contracts to the front month will be listed at any one time.

Calendar Spreads

Calendar spreads are listed as follows:

Type	*Description*	*Example as of March 1^{st} 1^{st} Qtrly – H11 1^{st} Serial – J11*	
Serial Calendar Spreads	Serial Calendar Spreads are available for each Serial Contract against the nearest forward Serial Contract and the nearest forward listed Quarterly contract.	GEe J11 K11 GEe J11 M11 GEe K11 M11 GEe K11 N11 GEe N11 Q11 GEe N11 U11 GEe Q11 U11	
Quarterly Calendar Spreads	Quarterly Calendar Spreads are available for each Quarterly contract against the nearest eight forward listed Quarterly Contracts where available.	GEe H11 M11 GEe H11 U11 GEe H11 Z11 GEe H11 H12 GEe H11 M12 GEe H11 U12 GEe H11 Z12 GEe H11 H13 GEe M11 U11 GEe M11 Z11 GEe M11 H12 GEe M11 M12 GEe M11 U12 GEe M11 Z12 GEe M11 H13 GEe M11 M13 . . . GEe Z13 H14 GEe Z13 M14 GEe Z13 U14 GEe Z13 Z14 GEe Z13 H15 GEe Z13 M15 GEe Z13 U15 GEe Z13 Z15	GEe H14 M14 GEe H14 U14 GEe H14 Z14 GEe H14 H15 GEe H14 M15 GEe H14 M15 GEe H14 Z15 GEe M14 U14 GEe M14 Z14 GEe M14 H15 GEe M14 M15 GEe M14 U15 GEe M14 Z15 GEe U14 Z14 GEe U14 H15 GEe U14 M15 GEe U14 U15 GEe U14 Z15 GEe Z14 H15 GEe Z14 M15 GEe Z14 U15 GEe Z14 Z15 ***(cont…)***

Type	*Description*	*Example as of March 1st 1st Qtrly – H11 1st Serial – J11*	
Quarterly Calendar Spreads (cont…)	Quarterly Calendar Spreads are available for each Quarterly contract against the nearest eight forward listed Quarterly Contracts where available.		GEe H15 M15 GEe H15 U15 GEe H15 Z15 GEe M15 U15 GEe M15 Z15 GEe U15 Z15

Packs and Bundles

ELX Eurodollar Packs and Bundles are listed as follows:

Type	*Product Description*	*Instrument Name (Example as of March 1st)*	*Instrument Description*	*Color Group*
Packs	Packs are available for each of the first seventeen outright quarterly contracts.	GEe: PK 1Y H11	Mar 11 Eurodollar Pack	WHITE
		GEe: PK 1Y M11	Jun 11 Eurodollar Pack	WHITE
		GEe: PK 1Y U11	Sep 11 Eurodollar Pack	WHITE
		GEe: PK 1Y Z11	Dec 11 Eurodollar Pack	WHITE
		GEe: PK 1Y H12	Mar 12 Eurodollar Pack	RED
		GEe: PK 1Y M12	Jun 12 Eurodollar Pack	RED
		GEe: PK 1Y U12	Sep 12 Eurodollar Pack	RED
		GEe: PK 1Y Z12	Dec 12 Eurodollar Pack	RED
		GEe: PK 1Y H13	Mar 13 Eurodollar Pack	GREEN
		GEe: PK 1Y M13	Jun 13 Eurodollar Pack	GREEN
		GEe: PK 1Y U13	Sep 13 Eurodollar Pack	GREEN
		GEe: PK 1Y Z13	Dec 13 Eurodollar Pack	GREEN
		GEe: PK 1Y H14	Mar 14 Eurodollar Pack	BLUE
		GEe: PK 1Y M14	Jun 14 Eurodollar Pack	BLUE
		GEe: PK 1Y U14	Sep 14 Eurodollar Pack	BLUE
		GEe: PK 1Y Z14	Dec 14 Eurodollar Pack	BLUE
		GEe: PK 1Y H15	Mar 15 Eurodollar Pack	GOLD

Type	*Product Description*	*Instrument Name (Example as of March 1st)*	*Instrument Description*	*Color Group*
2Y Bundle	Thirteen 2Y Bundles are available beginning with the nearest outright quarterly contract.	GEe: FB 2Y H11	Mar 11 2Y Eurodollar Bundle	WHITE
		GEe: FB 2Y M11	Jun 11 2Y Eurodollar Bundle	WHITE
		GEe: FB 2Y U11	Sep 11 2Y Eurodollar Bundle	WHITE
		GEe: FB 2Y Z11	Dec 11 2Y Eurodollar Bundle	WHITE
		GEe: FB 2Y H12	Mar 12 2Y Eurodollar Bundle	RED
		GEe: FB 2Y M12	Jun 12 2Y Eurodollar Bundle	RED
		GEe: FB 2Y U12	Sep 12 2Y Eurodollar Bundle	RED
		GEe: FB 2Y Z12	Dec 12 2Y Eurodollar Bundle	RED
		GEe: FB 2Y H13	Mar 13 2Y Eurodollar Bundle	GREEN
		GEe: FB 2Y M13	Jun 13 2Y Eurodollar Bundle	GREEN
		GEe: FB 2Y U13	Sep 13 2Y Eurodollar Bundle	GREEN
		GEe: FB 2Y Z13	Dec 13 2Y Eurodollar Bundle	GREEN
		GEe: FB 2Y H14	Mar 14 2Y Eurodollar Bundle	BLUE
3Y Bundle	Nine 3Y Bundles are available beginning with the nearest outright quarterly contract.	GEe: FB 3Y H11	Mar 11 3Y Eurodollar Bundle	WHITE
		GEe: FB 3Y M11	Jun 11 3Y Eurodollar Bundle	WHITE
		GEe: FB 3Y U11	Sep 11 3Y Eurodollar Bundle	WHITE
		GEe: FB 3Y Z11	Dec 11 3Y Eurodollar Bundle	WHITE
		GEe: FB 3Y H12	Mar 12 3Y Eurodollar Bundle	RED
		GEe: FB 3Y M12	Jun 12 3Y Eurodollar Bundle	RED
		GEe: FB 3Y U12	Sep 12 3Y Eurodollar Bundle	RED
		GEe: FB 3Y Z12	Dec 12 3Y Eurodollar Bundle	RED
		GEe: FB 3Y H13	Mar 13 3Y Eurodollar Bundle	GREEN
4Y Bundle	Five 4Y Bundles are available beginning with the nearest outright quarterly contract.	GEe: FB 4Y H11	Mar 11 4Y Eurodollar Bundle	WHITE
		GEe: FB 4Y M11	Jun 11 4Y Eurodollar Bundle	WHITE
		GEe: FB 4Y U11	Sep 11 4Y Eurodollar Bundle	WHITE
		GEe: FB 4Y Z11	Dec 11 4Y Eurodollar Bundle	WHITE
		GEe: FB 4Y H12	Mar 12 4Y Eurodollar Bundle	RED
5Y Bundle	One 5Y Bundle is available beginning with the nearest outright quarterly contract.	GEe: FB 5Y H11	Mar 11 5Y Eurodollar Bundle	WHITE

Contact ELX

For further product information on ELX Eurodollar Futures, please contact ELX Sales at 212.915.1230 or sales@elxfutures.com.

For integration or connectivity assistance please contact us at integration@elxfutures.com or connectivity@elxfutures.com.