



Futures Execution Strategies

Algorithms

RBC Capital Markets offers a comprehensive product suite for Futures execution algorithms. Our streamlined algorithmic trading suite is proximity hosted next to key Futures Exchanges and utilizes low latency market data, customized liquidity profiles, and sophisticated order routing with a simple, safe, and easy to use set of orders to help you achieve best execution.

	GHOST	WITH TICK	TWAP	VWAP	POV	PEGGER	MOC+
Description	Order is released when price and required volume are available	Price discretion is exercised if set parameters are violated	Looks to achieve the Time Weighted Average Price (TWAP) over user defined time period	Looks to achieve the Volume Weighted Average Price (VWAP) over user defined time period	Sets min/max Percentage of Overall Volume (POV) participation	Trails the market and takes advantage of price movements in desired direction	Trades to achieve exchange settlement price
When to Use	When an order should not be exposed to the market until there are executable conditions	When the market is highly liquid with low volatility, or anticipation of a market moving event	When target or benchmark is over a defined period of time	When target or benchmark is over a defined period of time and participation should be proportionate to historical volume	When a large trade needs to be executed in-line with the market	Trails the market by a specified number of ticks as it either decreases (if buy order) or increases (if sell order)	When the desired target is the exchange settlement price

Synthetic Order Types

RBC Capital Markets' Futures group provides innovative global execution and clearing solutions for futures and options to financial institutions, corporations, hedge funds, asset managers, and high net worth individuals around the world. These synthetic order types help the trader efficiently achieve best execution through a simple set of parameters.

	OCO	BRACKET	HAWKEYE	OTO	ICEBERG
Description	One Cancels the Other (OCO): Work a limit order where fill is contingent with a stop order	Work two contingent orders: the first one enters a position, then an OCO to either capture a profit or exit with minimal loss	Establishes watch conditions which will initiate the placement of resulting order(s)	One Then the Other (OTO): Work two contingent orders – a working order whose fills then trigger the second order to be released to the market in proportion to the executed quantity	Shows only a slice of order to the market, randomized around user defined quantity
When to Use/ Triggers	When limiting exposure for open position, or trying to enter new position at target level while ensuring a market move is not missed	When limiting loss and locking in a profit by "bracketing" an order with two opposite-side orders	When looking for various market conditions in order to initiate an order	When a successful buy order could generate a stop order as protection from any losses	When the order size is large relative to the order book

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