

# Nasdaq Futures, Inc. (NFX) Standard Combination Orders Reference Guide

---

Version 1.01 | 2016-9-27



## CONFIDENTIALITY/DISCLAIMER

This Reference Guide is being forwarded to you strictly for informational purposes and solely for the purpose of developing or operating systems for your use that interact with systems of NASDAQ Futures, Inc. (NFX<sup>SM</sup>) and its affiliates (collectively, NFX). This specification is proprietary to NFX.

NFX reserves the right to withdraw, modify, or replace this Reference Guide at any time, without prior notice. No obligation is made by NFX regarding the level, scope or timing of NFX's implementation of the functions or features discussed in this specification. The Reference Guide is provided "AS IS," "WITH ALL FAULTS". NFX makes no warranties to this Reference Guide or its accuracy, and disclaims all warranties, whether express, implied, or statutory related to the Reference Guide or its accuracy. This document is not intended to represent an offer of any terms by NFX. While reasonable care has been taken to ensure that the details contained herein are true and not misleading at the time of publication, no liability whatsoever is assumed by NFX for any incompleteness or inaccuracies. By using this Reference Guide you agree that you will not, without prior written permission from NFX, copy or reproduce the information in this Reference Guide except for the purposes noted above. You further agree that you will not, without prior written permission from NFX, store the information contained in this Reference Guide in a retrieval system, or transmit it in any form or by any means, whether electronic, mechanical, or otherwise except for the purposes noted above. In addition you agree that you will not, without prior written permission from NFX, permit access to the information contained herein except to those with a need-to-know for the purposes noted above.

NFX<sup>SM</sup> is a servicemark of Nasdaq Futures, Inc.

© Copyright 2016, Nasdaq Futures, Inc. All rights reserved.

# Table of Contents

- 1 OVERVIEW .....4**
- 2 STANDARD COMBINATIONS BY PRODUCT.....4**
  - 2.1 BRENT CRUDE AND WTI CRUDE FUTURES..... 4
  - 2.2 HEATING OIL AND GASOIL FUTURES..... 5
  - 2.3 RBOB GASOLINE FUTURES ..... 5
  - 2.4 NATURAL GAS FUTURES ..... 6
- 3 INTER-COMMODITY STANDARD COMBINATIONS .....6**
  - 3.1 OVERVIEW ..... 6
  - 3.2 STANDARD INTER-COMMODITY COMBINATION LISTING ..... 8
- 4 HELP .....9**

# 1 OVERVIEW

This document describes NFX Standard Combination Orders (“Standard Combinations”) in detail by Product. Certain Standard Combinations will be pre-populated in the Trading System for Futures and/or Options and be comprised of the most liquid Intra-Commodity Contracts(e.g., NFX WTI Crude Oil Financial Futures: March versus June contract) and Inter-Commodity combinations (e.g., NFX WTI Crude Oil Financial Futures versus NFX RBOB Gasoline Financial Futures versus NFX Heating Oil Financial Futures “Crack Spread”). All Standard Combinations consist of NFX Futures Combination Order Contracts and do not have their own trading symbol. Custom Combinations Orders (“Tailor-Made Combination” or “TMC”) for Futures and/or Options which are not already defined in the Order Book may also be created with up to four Instruments.

See Section 3.10 of the General Reference Guide for further discussion on Combination Orders. See also Tailor Made Combinations Reference Guide.

## 2 STANDARD COMBINATIONS BY PRODUCT

### 2.1 BRENT CRUDE AND WTI CRUDE FUTURES

The Standard Combinations for the NFX Brent Crude Futures (BFQ) and the NFX WTI Crude Penultimate Futures (TQ) consist of the following Combination Orders:

- All possible calendar spreads Combination Orders for the first twelve contract months (Expiries)
- One months serial spreads: month 13 to month 18
- Additional spreads are listed below as follows: (these do not include spreads described above)

Month1/Month2	Month3/Month4	Month6/Month7	Month12/Month13
Month1/Month3	Month3/Month5	Month6/Month8	
Month1/Month4	Month3/Month6	Month6/Month9	Month13/Month14
Month1/Month5	Month3/Month7	Month6/Month10	
Month1/Month6	Month3/Month8	Month6/Month11	Month14/Month15
Month1/Month7	Month3/Month9	Month6/Month12	
Month1/Month8	Month3/Month10		Month15/Month16
Month1/Month9	Month3/Month11	Month7/Month8	
Month1/Month10	Month3/Month12	Month7/Month9	Month16/Month17
Month1/Month11		Month7/Month10	
Month1/Month12	Month4/Month5	Month7/Month11	Month17/Month18
	Month4/Month6	Month7/Month12	
Month2/Month3	Month4/Month7		Additional Spreads:
Month2/Month4	Month4/Month8	Month8/Month9	Dec/Mar
Month2/Month5	Month4/Month9	Month8/Month10	Dec/Jan
Month2/Month6	Month4/Month10	Month8/Month11	Mar/Jan
Month2/Month7	Month4/Month11	Month8/Month12	Jan/Feb
Month2/Month8	Month4/Month12		Jan/Mar
Month2/Month9		Month9/Month10	Feb/Mar
Month2/Month10	Month5/Month6	Month9/Month11	Feb/Apr

Month2/Month11	Month5/Month7	Month9/Month12	Dec/Dec - 2 years
Month2/Month12	Month5/Month8		
	Month5/Month9	Month10/Month11	
	Month5/Month10	Month10/Month12	
	Month5/Month11		
	Month5/Month12	Month11/Month12	

## 2.2 HEATING OIL AND GASOIL FUTURES

The Standard Combinations for the NFX Heating Oil Penultimate Futures (OQ) and the Low Sulphur Gasoil Futures (GOQ) consist of the following Combination Orders:

- All possible calendar spreads Combination Orders for the first six contract months (Expiries)
- One months serial spreads: month 7 to month 14 (OQ to month 15)
- Additional spreads listed below as follows: (these do not include spreads described above)

Month1/Month2	Month6/Month7	Additional Spreads:
Month1/Month3		Dec/Mar
Month1/Month4	Month7/Month8	Dec/Jun
Month1/Month5		Mar/Jun
Month1/Month6	Month8/Month9	Jun/Dec
		Sep/Dec
Month2/Month3	Month9/Month10	Jun/Jun
Month2/Month4		Dec/Dec - 2 years
Month2/Month5	Month10/Month11	
Month2/Month6		
	Month11/Month12	
Month3/Month4		
Month3/Month5	Month12/Month13	
Month3/Month6		
	Month13/Month14	
Month4/Month5		
Month4/Month6	Month14/Month15	
Month5/Month6		

## 2.3 RBOB GASOLINE FUTURES

The Standard Combinations for the NFX RBOB Gasoline Penultimate Futures (RQ) consist of the following Combinations Orders:

- All possible calendar spreads Combination Orders for the first six contract months (Expiries)
- One months serial spreads: month 7 to month 12

Month1/Month2	Month3/Month4	Month7/Month8
---------------	---------------	---------------

Month1/Month3	Month3/Month5	
Month1/Month4	Month3/Month6	Month8/Month9
Month1/Month5		
Month1/Month6	Month4/Month5	Month9/Month10
	Month4/Month6	
Month2/Month3		Month10/Month11
Month2/Month4	Month5/Month6	
Month2/Month5		Month11/Month12
Month2/Month6	Month6/Month7	

## 2.4 NATURAL GAS FUTURES

The Standard Combinations for the NFX Natural Gas Futures – 10,000 (HHQ) and the NFX Natural Gas Futures – 2,500 (NNQ) consist of the following Combinations Orders:

- All possible calendar spreads Combination Orders for the first six contract months (Expiries)
- One months serial spreads: month 7 to month 16

Month1/Month2	Month3/Month4	Month7/Month8	Month12/Month13
Month1/Month3	Month3/Month5		
Month1/Month4	Month3/Month6	Month8/Month9	Month13/Month14
Month1/Month5			
Month1/Month6	Month4/Month5	Month9/Month10	Month14/Month15
	Month4/Month6		
Month2/Month3		Month10/Month11	Month15/Month16
Month2/Month4	Month5/Month6		
Month2/Month5		Month11/Month12	
Month2/Month6	Month6/Month7		

## 3 INTER-COMMODITY STANDARD COMBINATIONS

### 3.1 OVERVIEW

An important part of the NFX Energy Product offering is Inter-Commodity Combinations Orders. NFX has developed Trading System functionality to offer unique and efficient pricing of these Combination Orders traded within the Combination Order Book and OTC trade reports (Off-Exchange, i.e., Block and EFRP transactions).

Trading System functionality reflects more granular Combination Order pricing, resulting in leg prices that may be traded in smaller price increments than are available for outright Futures trading. The specific NFX Futures Contracts that will support this more granular leg pricing, solely for Inter-Commodity Combination Orders, are WTI Crude Oil (TQ), Brent Crude (BFQ), and Gasoil (GOQ) Futures. The chart below lists the specific Inter-Commodity standard Combination Orders that NFX will support, and highlights specific Contracts with extended granularity for each specific Combination Order.

NFX Standard Inter-Commodity Combination Orders:

Combo Name	Leg1	Leg 2	Combo Ratio	Combo Tick Size	Leg Tick Size
Heating Crack	WTI (TQ)*	Heating Oil (OQ)	1:1	\$0.0001	\$0.0001
Gasoline Crack	WTI (TQ)*	RBOB (RQ)	1:1	\$0.0001	\$0.0001
Brent Heating Crack	Brent (BFQ)*	Heating Oil (OQ)	1:1	\$0.0001	\$0.0001
Brent Gasoline Crack	Brent (BFQ)*	RBOB (RQ)	1:1	\$0.0001	\$0.0001
HOGO	Heating Oil (OQ)	Gasoil (GOQ)*	3:4	\$0.0001	\$0.0001
Widow Maker	Heating Oil (OQ)	RBOB (RQ)	1:1	\$0.0001	\$0.0001
Gasoil Crack	Brent (BFQ)*	Gasoil (GOQ)*	3:4	\$0.0001	\$0.0001
Crude Hedge	WTI (TQ)	Brent (BFQ)	1:1	\$0.0100	\$0.0100

Combo Name	Leg1	Leg 2	Leg 3	Combo Ratio	Combo Tick Size	Leg Tick Size
Diversified Crack	WTI (TQ)*	RBOB (RQ)	Heating Oil (OQ)	5:3:1	\$0.0001	\$0.0001

\*Contracts that will support more granular Inter-Commodity Combination Order leg pricing.

Implied Orders will be traded in the Trading System pursuant to the Rules in Chapter IV, Section 5. Implied Orders will only be generated if those Orders are at or improve the BBO of the respective legs at the minimum increment of the respective contract. The Exchange will disseminate Implied Out Orders through ITCH and FIX protocols, except for Inter-Commodity Spreads.

NFX will calculate but will NOT disseminate Implied In Orders for Inter-Commodity Combination Orders. However, the Implied In Orders will be active in the Combination Order Book and can produce price improvement from the existing Combination Order market. NFX will NOT support Implied Out Orders for Inter-Commodity Combination Orders.

All Standard Inter-Commodity Combinations (SICC) Order transactions will result in positions in the individual leg Contracts. All Exchange-defined individual leg Contracts of each Standard Combination Order will be of the same contract month (Expiry). If one of the individual leg Contracts expires, the expiring month's SICC will no longer trade as a Combination Order and will be replaced by an additional SICC for the next available contract month (Expiry).

## 3.2 STANDARD INTER-COMMODITY COMBINATION LISTING

### Heating Crack

TQ Month1/OQ Month1  
TQ Month2/OQ Month2  
TQ Month3/OQ Month3  
TQ Month4/OQ Month4  
TQ Month5/OQ Month5  
TQ Month6/OQ Month6  
TQ Month7/OQ Month7

### Gasoline Crack

TQ Month1/RQ Month1  
TQ Month2/RQ Month2  
TQ Month3/RQ Month3  
TQ Month4/RQ Month4  
TQ Month5/RQ Month5  
TQ Month6/RQ Month6  
TQ Month7/RQ Month7

### Brent Heating Crack

BFQ Month1/OQ Month1  
BFQ Month2/OQ Month2  
BFQ Month3/OQ Month3  
BFQ Month4/OQ Month4  
BFQ Month5/OQ Month5  
BFQ Month6/OQ Month6  
BFQ Month7/OQ Month7

### Widow Maker

OQ Month1/RQ Month1  
OQ Month2/RQ Month2  
OQ Month3/RQ Month3

### Brent Gasoline Crack

BFQ Month1/RQ Month1  
BFQ Month2/RQ Month2  
BFQ Month3/RQ Month3  
BFQ Month4/RQ Month4  
BFQ Month5/RQ Month5  
BFQ Month6/RQ Month6  
BFQ Month7/RQ Month7

### Gasoil Crack (3:4)

BFQ Month1/GOQ Month1  
BFQ Month2/GOQ Month2  
BFQ Month3/GOQ Month3

### HOGO (3:4)

OQ Month1/GOQ Month1  
OQ Month2/GOQ Month2  
OQ Month3/GOQ Month3

### Crude Hedge

TQ Month1/BFQ Month1  
TQ Month2/BFQ Month2  
TQ Month3/BFQ Month3  
TQ Month4/BFQ Month4

### Diversified Crack (3:2:1)

TQ Month1/RQ Month1/OQ Month1  
TQ Month2/RQ Month2/OQ Month2  
TQ Month3/RQ Month3/OQ Month3



## 4 HELP

If you have any questions associated with NFX Standard Combinations please contact:

NFX Operations at [NFXOps@nasdaq.com](mailto:NFXOps@nasdaq.com) or

Steve Sladoje

312-568-5903

[steve.sladoje@nasdaq.com](mailto:steve.sladoje@nasdaq.com)

Dave Ziegler

312-568-5904

[david.ziegler@nasdaq.com](mailto:david.ziegler@nasdaq.com)



© Copyright 2016, Nasdaq, Inc. All rights reserved