

Globex Non-Reviewable Ranges (NRR)				
Instrument Name	MDP 3.0: tag 6937-Asset	iLink: tag 55-Symbol MDP 3.0 tag 1151 - Security Group	Calendar Spreads	
			NRR: Globex Format	NRR: Minimum Outright Ticks
Agricultural Futures				
Commodity Indexes (CME)				
S&P-GSCI™ Excess Return Index Futures	GIE	GA	1250	1250
S&P-GSCI™ Futures	GD	GD	65	13
Commodity Indexes (CBOT)				
Bloomberg Commodity Index Futures	AW	AW	10	10
Bloomberg Roll Select Commodity Index Futures	DRS	RS	100	100
Energy Futures				
Biofuel (NYMEX)				
Ethanol T2 FOB Rdam Including Duty (Platts) Futures	AZ1	EE	125	125
Ethanol T2 FOB Rdam Including Duty (Platts) BALMO Futures	Z1B	EE	125	125
NY Ethanol (Platts) Futures	AEZ	EE	63	63
Coal (NYMEX)				
Indonesian Coal (McCloskey sub-bituminous) Futures	MCC	ZZ	25	5
Crude Oil (NYMEX)				
Argus LLS Trade Month Futures	AA4	CC	25	25
Argus LLS vs. WTI (Argus) Trade Month Futures	AE5	CC	25	25
Argus Sour Crude Index ("ASCI") Calendar Month Futures	37	CC	25	25
Argus Sour Crude Index ("ASCI") Trade Month Futures	29	CC	25	25
Argus Sour Crude Index ("ASCI") vs. WTI Diff Spread Calendar Month Futures	38	CC	25	25
Argus Sour Crude Index ("ASCI") vs. WTI Diff Spread Trade Month Futures	36	CC	25	25
Argus WTI Formula Basis Calendar Month Futures	39	CC	25	25
Argus WTI Trade Month Futures	V7	CC	25	25
Brent (ICE) Financial Futures	CY	CC	25	25
Brent Crude Oil Penultimate Financial Futures	BB	BB	13	13
CPC Blend CIF Med Cargoes (Platts) vs. Dated Brent (Platts) Futures	CPD	CC	25	25
Crude Oil Last Day Financial Futures	26	CC	25	25
Daily WTI Financial Futures	DCL	CC	25	25
Dated Brent (Platts) Financial Futures	AUB	CC	25	25
Dated Brent (Platts) to Frontline Brent Futures	AFY	CC	25	25
LLS (Argus) Financial Futures	AXA	CC	25	25
LLS (Argus) vs. WTI Financial Futures	AWJ	CC	25	25
Mars (Argus) Financial Futures	MX	CC	25	25
Mars (Argus) Trade Month Futures	MO	CC	25	25

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Mini Brent Financial Futures	MBC	CC	25	25
Mini Dated Brent (Platts) Financial Futures	MDB	CC	25	25
Mini East-West Fuel Oil Spread (Platts) Futures	MEW	PT	25	25
LLS (Argus) vs. Brent BALMO futures	LBB	CC	25	25
LLS (Argus) vs. WTI BALMO futures	LWB	CC	25	25
LLS (Argus) vs. Brent Crude Oil Financial Futures	LLR	CC	25	25
Mars (Argus) vs. WTI Financial Futures	AYX	CC	25	25
Mars (Argus) vs. WTI Trade Month Futures	AYV	CC	25	25
Urals Med (Platts) vs. Dated Brent (Platts) CFD Futures	UMD	CC	25	25
Urals North (Platts) vs. Dated Brent (Platts) CFD Futures	UNS	CC	25	25
WTI BALMO Futures	A42	CC	25	25
WTI Financial Futures	CSX	CC	13	13
WTI Midland (Argus) vs. WTI Trade Month Futures	WTT	CC	25	25
WTI Midland (Argus) Trade Month FuturesWTI Midland (Argus) Trade Month Futures	WTI	CC	25	25
WTI-Brent (ICE) Financial Futures	BK	CC	25	25
WTI-Brent Bullet Futures	ABY	CC	25	25
WTI Houston (Argus) vs. WTI Trade Month Futures	HTT	CC	25	25
WTI Houston (Argus) Trade Month Futures	HTA	CC	25	25
WTI Houston (Argus) vs. WTI Financial Futures	HIL	CC	25	25
WTI Houston (Argus) Financial Futures	HIA	CC	25	25
WTI Houston (Argus) vs. WTI Trade Month BALMO Futures	HTB	CC	25	25
WTI Houston (Argus) vs. WTI BALMO Futures	HIB	CC	25	25
WTS (Argus) Calendar Futures	AXB	CC	25	25
WTS (Argus) Trade Month Futures	AY	CC	25	25
WTS (Argus) Financial Futures	WTS	CC	25	25
WTS (Argus) vs. WTI Financial Futures	WTA	CC	25	25
WTS (Argus) vs. WTI Financial Futures	AFF	CC	25	25
WTS (Argus) vs. WTI Trade Month Futures	AFH	CC	25	25
Electricity (NYMEX)				
Alberta Power Pool Calendar Month 1 MW Futures	AQK	ZZ	50	50
ISO New England Connecticut Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AP3	ZZ	50	10
ISO New England Connecticut Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AP2	ZZ	50	10
ISO New England Maine Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AW2	ZZ	50	10
ISO New England Maine Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AP9	ZZ	50	10

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ISO New England Mass Hub 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AU6	ZZ	50	10
ISO New England Mass Hub Off-Peak LMP Futures	AKI	ZZ	50	10
ISO New England New Hampshire Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AU3	ZZ	50	10
ISO New England New Hampshire Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AU2	ZZ	50	10
ISO New England North East Massachusetts Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AP8	ZZ	50	10
ISO New England North East Massachusetts Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AP7	ZZ	50	10
ISO New England Rhode Island Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AU5	ZZ	50	10
ISO New England Rhode Island Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AU4	ZZ	50	10
ISO New England South East Massachusetts Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AP5	ZZ	50	10
ISO New England South East Massachusetts Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AP4	ZZ	50	10
ISO New England West Central Massachusetts Zone 5 MW Off-Peak Calendar-Month Day Ahead LMP Futures	AL9	ZZ	50	10
ISO New England West Central Massachusetts Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AR6	ZZ	50	10
MISO Illinois Hub 5 MW Off-Peak Calendar-Month Day-Ahead Futures	A4R	ZZ	50	10
MISO Illinois Hub 5 MW Peak Calendar-Month Day-Ahead Futures	A4Q	ZZ	50	10
MISO Illinois Hub Off-Peak Calendar-Month LMP Futures	AOJ	ZZ	50	10
MISO Illinois Hub Peak Calendar-Month LMP Futures	AOH	ZZ	50	10
MISO Michigan Hub Off-Peak Calendar-Month LMP Futures	AHJ	ZZ	50	10
MISO Michigan Hub Peak Calendar-Month LMP Futures	AHM	ZZ	50	10
NYISO Lower Hudson Valley Capacity Calendar-Month Futures	LHV	ZZ	50	50
NYISO Zone C 5 MW Off-Peak Calendar-Month Day-Ahead LBMP Futures	AA3	ZZ	50	10
NYISO Zone C 5 MW Peak Calendar-Month Day-Ahead LBMP Futures	AQ5	ZZ	50	10
NYISO Zone E 5 MW Off-Peak Calendar-Month Day-Ahead LBMP Futures	A58	ZZ	50	10
NYISO Zone E 5 MW Peak Calendar-Month Day-Ahead LBMP Futures	A55	ZZ	50	10
NYISO Zone F 5 MW Off-Peak Calendar-Month Day-Ahead LBMP Futures	A4M	ZZ	50	10
NYISO Zone F 5 MW Peak Calendar-Month Day-Ahead LBMP Futures	A4L	ZZ	50	10
NYISO Zone J Off-Peak LBMP Futures	AKP	ZZ	50	10
NYISO Zone J Peak LBMP Futures	AKJ	ZZ	50	10
Ontario Off-Peak Calendar-Day Futures	OOD	ZZ	50	10
Ontario Off-Peak Calendar-Month Futures	OFF	ZZ	50	10
Ontario Peak Calendar-Day Futures	OPO	ZZ	50	10
Ontario Peak Calendar-Month Futures	OMM	ZZ	50	10
PJM AECO Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	AX1	ZZ	50	10
PJM AECO Zone Peak Calendar-Month Day-Ahead LMP Futures	AY1	ZZ	50	10
PJM AEP Dayton Hub 5MW Peak Calendar-Month Real-Time LMP Futures	AZ9	ZZ	50	10

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PJM AEP Dayton Hub Off-Peak LMP Futures	AVP	ZZ	50	10
PJM APS Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	AW4	ZZ	50	10
PJM APS Zone Peak Calendar-Month Day-Ahead LMP Futures	AS4	ZZ	50	10
PJM ATSI Zone 5 MW Off-Peak Calendar-Month Day-Ahead Futures	MDD	ZZ	50	10
PJM ATSI Zone 5 MW Peak Calendar-Month Day-Ahead Futures	MPP	ZZ	50	10
PJM BGE Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	AR3	ZZ	50	10
PJM BGE Zone Peak Calendar-Month Day-Ahead LMP Futures	AE3	ZZ	50	10
PJM ComEd Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AD8	ZZ	50	10
PJM DPL Zone Peak Calendar-Month Day-Ahead LMP Futures	AL8	ZZ	50	10
PJM Duquesne Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	AD6	ZZ	50	10
PJM Duquesne Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	AD5	ZZ	50	10
PJM JCPL Zone Peak Calendar-Month Day-Ahead LMP Futures	AJ2	ZZ	50	10
PJM METED Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	A46	ZZ	50	10
PJM METED Zone Peak Calendar-Month Day-Ahead LMP Futures	A47	ZZ	50	10
PJM Northern Illinois Hub 5 MW Peak Calendar-Month Real-Time LMP Futures	AB3	ZZ	50	10
PJM Off-Peak Calendar-Month LMP Futures	AJP	ZZ	50	10
PJM PECO Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures	A4P	ZZ	50	10
PJM PECO Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures	A4N	ZZ	50	10
PJM PENELEC Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	A50	ZZ	50	10
PJM PENELEC Zone Peak Calendar-Month Day-Ahead LMP Futures	A49	ZZ	50	10
PJM PEPCO Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	AQ8	ZZ	50	10
PJM PEPCO Zone Peak Calendar-Month Day-Ahead LMP 5 MW Futures	AR8	ZZ	50	10
PJM PPL Zone Peak Calendar-Month Day-Ahead LMP Futures	AL5	ZZ	50	10
PJM PSEG Zone Off-Peak Calendar-Month Day-Ahead LMP Futures	AW6	ZZ	50	10
PJM PSEG Zone Peak Calendar-Month Day-Ahead LMP 5 MW Futures	AL6	ZZ	50	10
PJM Western Hub Peak Calendar-Month Real-Time LMP Futures	AL1	ZZ	50	10
Petrochemicals (NYMEX)				
Conway Propane (OPIS) Futures	A8K	ZZ	63	63
European Propane CIF ARA (Argus) Futures	APS	ZZ	50	50
Mini-Argus Butane (Saudi Aramco) Futures	MAA	ZZ	50	50
Mini European Propane CIF ARA (Argus) Futures	MPS	ZZ	50	50
Mont Belvieu Ethane (OPIS) Futures	AC0	ZZ	63	63
Mont Belvieu LDH Propane (OPIS) Futures	B0	GS	63	63
Mont Belvieu Normal Butane (OPIS) Futures	AD0	ZZ	63	63

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Refined Products (NYMEX)				
3.5% Fuel Oil (Platts) Barges FOB Rdam Crack Spread Futures	FO	PT	250	250
3.5% Fuel Oil Barges FOB Rdam (Platts) Crack Spread (1000mt) Futures	BOO	RF	250	250
East-West Fuel Oil Spread (Platts) Futures	FEW	PT	500	500
European 3.5% Fuel Oil (Platts) Barges FOB Rdam Calendar Futures	UV	PT	500	500
European 3.5% Fuel Oil Barges FOB Rdam (Platts) Mini Weekly Differential Futures	EMW	ZZ	500	500
European Diesel 10ppm Barges FOB Rdam (Platts) vs. NY Harbor ULSD Futures	EL1	PT	500	500
European Low Sulphur Gasoil Brent Crack Spread Futures	GZ	PT	250	250
European Low Sulphur Gasoil Brent Crack Balmo Spread Futures	ESB	PT	250	250
European Naphtha (Platts) Calendar Futures	UN	PT	500	500
European Naphtha (Platts) Crack Spread Futures	EN	PT	250	250
Fuel Diff: 1% NWE FOB Cargoes vs. 3.5% Barges(Platts) Futures	FSS	PT	250	250
Low Sulphur Gasoil Crack Spread (1000mt) Financial Futures	GOC	RF	250	250
Low Sulphur Gasoil Crack Spread (1000mt) Financial Futures	ESS	PT	1000	250
Gasoline Euro-bob Oxy (Argus) NWE Barges BALMO Futures	BR7	PT	500	500
Gasoline Euro-bob Oxy (Argus) NWE Barges Crack Spread Futures	T7K	PT	250	250
Gasoline Euro-bob Oxy (Argus) NWE Barges Futures	B7H	PT	500	500
Group Three ULSD (Platts) vs. NY Harbor ULSD Futures	AA6	RF	63	63
Gulf Coast Heating Oil (Argus) vs. NY Harbor ULSD Futures	7U	RF	63	63
Gulf Coast Heating Oil (Argus) Futures	4U	RF	63	63
Gulf Coast Jet (Platts) vs. Heating Oil Spread Futures	ME	PT	63	63
Gulf Coast HSFO (Platts) Crack Spread Futures	MGH	RF	25	25
Gulf Coast HSFO (Platts) Futures	MFB	PT	25	25
Gulf Coast HSFO (Platts) vs. European 3.5% Fuel Oil Barges FOB Rdam (Platts) Futures	GCU	PT	250	250
Gulf Coast HSFO (Platts) Brent Crack Spread Futures	GCI	RF	250	250
Gulf Coast ULSD (Platts) Crack Spread Futures	GY	PT	25	25
Gulf Coast ULSD (Platts) Futures	ALY	RF	63	63
Gulf Coast ULSD (Platts) Up-Down Spread Futures	LT	PT	63	63
Japan C&F Naphtha (Platts) Futures	JA	PT	500	500
Japan C&F Naphtha Dubai (Platts) Crack Spread Futures	JNC	PT	250	250
Middle East Gasoil FOB Arab Gulf (Platts) Futures	MPE	PT	250	250
Middle East Gasoil FOB Arab Gulf (Platts) BALMO Futures	MBS	PT	250	250
Mini 1% Fuel Oil Cargoes CIF NWE(Platts) Futures	MFP	RF	500	500
Mini 1% Fuel oil Cargoes FOB NWE (Platts) Crack Spread (100mt) Futures	MNS	RF	500	500

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Mini Argus Gasoline Eurobob Oxy Barges NWE Crack Spread (100mt) Futures	MAC	RF	250	250
Mini 3.5% Fuel Oil Barges FOB Rdam (Platts) Crack Spread (100mt) Futures	MFR	RF	500	500
Mini Gasoline Euro-bob Oxy NWE Barges (Argus) Futures	MEO	RF	500	500
Mini Gasoline Euro-bob Oxy NWE Barges (Argus) BALMO Futures	MEB	PT	500	500
Mini Middle East HSFO 180 cst FOB Arab Gulf (Platts) Futures	MHE	PT	500	500
Mini Middle East HSFO 180 cst FOB Arab Gulf (Platts) BALMO Futures	MGS	PT	500	500
Mini Middle East HSFO 380 cst FOB Arab Gulf (Platts) Futures	MSE	PT	500	500
Mini Middle East HSFO 380 cst FOB Arab Gulf (Platts) BALMO Futures	MHS	PT	500	500
Mini Middle East Naphtha FOB Arab Gulf (Platts) Futures	MME	PT	500	500
Mini Middle East Naphtha FOB Arab Gulf (Platts) BALMO Futures	MNE	PT	500	500
Mini Naphtha (Free Spec) Barges CIF ARA (Argus) Futures	NBF	RF	500	500
Mini Naphtha (Free Spec) Cargoes CIF NWE (Argus) Crack Spread (100mt) Futures	NCC	RF	500	500
Mini RBOB Gasoline vs. Euro-bob Oxy NEW Barges (Argus) Futures	MXB	PT	63	63
Mini RBOB Gasoline vs. Euro-bob Oxy NEW Barges (Argus) BALMO Futures	MXR	PT	63	63
Mini Singapore Fuel Oil 380cst (Platts) vs. European 3.5% Fuel Oil Barges FOB Rdam (Platts) Futures	MSB	RF	50	50
Naphtha Cargoes CIF NWE (Platts) Crack Spread (1000mt) Futures	NOO	RF	250	250
New York Harbor Residual Fuel 1.0% (Platts) Futures	MM	PT	25	25
NY RBOB (Argus) Gasoline Futures	NYA	RF	63	63
NY RBOB (Argus) vs. RBOB Gasoline Futures	NYR	RF	63	63
NY 1% Fuel Oil (Platts) vs. Gulf Coast HSFO (Platts) Futures	VR	PT	250	
NY Buckeye Jet Fuel (Platts) Futures	BUC	RF	63	63
NY Buckeye Jet Fuel (Platts) vs. ULSD Futures	JET	RF	63	63
NY Harbor ULSD Brent Crack Spread Futures	HOB	RF	250	250
NY Harbor ULSD Crack Spread Futures	AHL	RF	25	25
NY Harbor ULSD Financial Futures	MPX	PT	63	63
NY Harbor ULSD vs. Gasoil Futures	HAB	PT	63	63
NY Harbor ULSD vs. Low Sulphur Gasoil (1,000bbl) Futures	NLS	PT	63	63
RBOB Gasoline Calendar Futures	RLX	PT	63	63
RBOB Gasoline Crack Spread Futures	ARE	RF	25	25
RBOB Gasoline vs. Brent Crack Spread Futures	RBB	PT	250	250
RBOB Gasoline vs. NY Harbor ULSD Futures	ARY	RF	63	63
Singapore Fuel Oil 180 cst (Platts) 6.35 Brent Crack Spread Futures	STR	PT	250	250
Singapore Fuel Oil 180cst (Platts) Brent Crack Spread (1000mt) Futures	SF1	RF	500	500
Singapore Fuel Oil 180 cst (Platts) Calendar Futures	UA	PT	500	500

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Singapore Fuel Oil 180 cst (Platts) Mini Weekly Spread Futures	SMW	PT	500	500
Singapore Fuel Oil 180 cst vs. 380 cst Spread (Platts) Futures	SD	PT	500	500
Singapore Fuel Oil 380cst (Platts) Brent Crack Spread (1000mt) Futures	SF3	RF	500	500
Singapore Fuel Oil 380 cst (Platts) Futures	SE	PT	500	500
Singapore Fuel Oil 380 cst (Platts) Mini Weekly Spread Futures	SDM	PT	500	500
Singapore Gasoil (Platts) Futures	SGB	PT	250	250
Singapore Gasoil (Platts) vs. DME Oman Crude Oil Futures	DZB	PT	25	25
Singapore Mogas 92 Unleaded (Platts) Futures	N1B	PT	250	250
Singapore Mogas 97 Unleaded (Platts) BALMO Futures	YNO	PT	250	250
ULSD 10ppm Cargoes CIF Med (Platts) vs. NY Harbor ULSD Futures	EP1	PT	500	500
ULSD 10ppm Cargoes CIF NWE (Platts) vs. NY Harbor ULSD Futures	EO1	PT	500	500
Equity Index Futures				
US Index Futures (CME)				
E-mini NASDAQ Biotechnology Futures	BIO	BQ	300	30
E-mini NASDAQ Composite Futures	QCN	QN	300	6
E-mini NASDAQ-100 Futures	NQ	NQ	300	12
BTIC on E-mini Nasdaq-100 Futures	NQT	NB	300	60
E-mini S&P 500 Futures	ES	ES	150	6
BTIC on E-mini S&P 500 Futures	EST	SB	150	30
E-mini S&P MidCap 400 Futures	EMD	ME	100	10
BTIC on E-mini S&P MidCap 400 Futures	EMT	PB	100	20
E-mini S&P SmallCap 600 Futures	SMC	SC	100	10
E-mini Russell 1000 Index Futures	RS1	RL	100	10
BTIC on E-mini Russell 1000 Index Futures	R1T	R1	100	20
E-mini Russell 1000 Growth Index Futures	RSG	RG	100	10
BTIC on E-mini Russell 1000 Growth Index Futures	RGT	R2	100	20
E-mini Russell 1000 Value Index Futures	RSV	RV	100	10
BTIC on E-mini Russell 1000 Value Index Futures	RVT	R3	100	20
E-mini® IPOX US Index Futures	IPO	IX	1000	10
BTIC on E-mini® IPOX US Index Futures	IPT	IT	1000	20
S&P 500 Futures	SP	SP	150	15
S&P 500 Growth Futures	SG	SG	100	10
S&P 500 Value Futures	SU	SU	100	10
S&P 500 Annual Dividend Index Futures	SDA	SD	250	5

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S&P 500 Quarterly Dividend Index Futures	SDI	SD	125	13
S&P Master Limited Partnership (S&P) MLP) Futures	MLP	MP	300	6
S&P MLP Total Return Index Futures	SLP	MP	600	6
BTIC on S&P MLP Total Return Index Futures	SLT	MR	600	12
BTIC on S&P 500 Total Return Futures	TRB	TB	300	30
BTIC on S&P 500 Carry-Adjusted Total Return Futures	CTB	CA	300	30
US Index Futures (CBOT)				
Dow Jones U.S. Real Estate Index Futures	RX	RX	10	10
E-mini DJIA (\$5) Futures	YM	YM	15	15
BTIC on E-mini DJIA Futures	YMT	DB	15	15
International Index Futures (CME)				
E-mini Nikkei 225 (Yen) Futures	ENY	N1	50	5
E-mini NIFTY 50 Index Futures	MNF	FN	1000	20
E-mini FTSE 100 Index Futures	FT1	FZ	750	15
BTIC on E-mini FTSE 100 Index Futures	FTT	FU	750	30
E-mini USD Denominated FTSE 100 Index Futures	FTU	FZ	150	15
BTIC on E-mini USD Denominated FTSE 100 Index Futures	FTB	FU	150	30
E-mini FTSE China 50 Index Futures	FT5	C5	25	5
BTIC on E-mini FTSE China 50 Index Futures	FTC	C1	15	15
E-mini® FTSE® Emerging Index Futures	EI	EA	75	8
BTIC on E-mini® FTSE® Emerging Index Futures	EIT	ED	75	8
E-mini® FTSE® Developed Europe Index Futures	DVE	DV	75	15
BTIC on E-mini® FTSE® Developed Europe Index Futures	DVT	DT	75	75
Nikkei 225 (Dollar) Futures	NKD	NK	25	5
Nikkei 225 (Yen) Futures	NIY	N1	25	5
USD-Denominated Ibovespa Futures	IBV	IB	75	15
E-mini Standard and Poor's Select Sector Stock Index Futures (CME)				
Consumer Discretionary Sector Index Futures	XAY	XN	100	10
Consumer Staples Sector Index Futures	XAP	XP	100	10
Energy Sector Index Futures	XAE	XY	100	10
Financial Sector Index Futures	XAF	XF	100	20
Health Care Sector Index Futures	XAV	XL	100	10
Industrial Sector Index Futures	XAI	XO	100	10
Materials Sector Index Futures	XAB	XM	100	10

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Technology Sector Index Futures	XAK	XG	100	10
Utilities Sector Index Futures	XAU	XU	100	10
FX Futures				
G10 Currency Pairs (CME)				
AUD/USD Futures	6A	6A	10	10
AUD/CAD Futures	ACD	F2	10	10
AUD/JPY Futures	AJY	F3	10	10
AUD/NZD Futures	ANE	F4	10	10
CAD/USD Futures	6C	6C	10.0	20
CAD/JPY Futures	CJY	F7	10	10
CME Bloomberg Dollar Spot Index Futures	BDI	DI	10	10
CHF/USD Futures	6S	6S	10	10
CHF/JPY Futures	SJY	FY	10	10
EUR/USD Futures	6E	6E	10.0	20
E-mini EUR/USD Futures	E7	6E	10	10
EUR/AUD Futures	EAD	FK	10	10
EUR/GBP Futures	RP	FB	10	10
EUR/CAD Futures	ECD	FG	10	10
EUR/CHF Futures	RF	FF	10	10
EUR/JPY Futures	RY	FJ	10	10
EUR/NOK Futures	ENK	FM	10	10
EUR/SEK Futures	ESK	FS	10	10
GBP/USD Futures	6B	6B	10	10
GBP/JPY Futures	PJY	F5	10	10
GBP/CHF Futures	PSF	F6	10	10
JPY/USD Futures	6J	6J	10.0	20
E-mini JPY/USD Futures	J7	6J	10	10
NOK/USD Futures	NOK	NO	10	10
NZD/USD Futures	6N	6N	10	10
SEK/USD Futures	SEK	SE	10	10
E-micros (CME)				
E-micro AUD/USD Futures	M6A	6A	10	10
E-micro CAD/USD Futures	MCD	6C	10	10
E-micro CHF/USD Futures	MSF	6S	10	10

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Instrument Name	MDP 3.0: tag 6937-Asset	iLink: tag 55-Symbol MDP 3.0 tag 1151 - Security Group	Calendar Spreads	
			NRR: Globex Format	NRR: Minimum Outright Ticks
E-micro EUR/USD Futures	M6E	6E	10	10
E-micro GBP/USD Futures	M6B	6B	10	10
E-micro INR/USD Futures	MIR	6P	10	10
E-micro JPY/USD Futures	MJY	6J	10	10
E-micro USD/CHF Futures	M6S	6S	10	10
E-micro USD/JPY Futures	M6J	6J	10	10
E-micro USD/Offshore RMB (CNH) Futures	MNH	RM	163	163
Emerging Markets Currency Pairs (CME)				0
BRL/USD Futures	6L	6L	10	10
CZK/USD Futures	CZK	CZ	10	10
CZK/EUR Futures	ECK	FQ	10	10
HUF/EUR Futures	EHF	NU	10	10
HUF/USD Futures	HUF	FH	10	10
ILS/USD Futures	ILS	XI	10	10
INR/USD Futures	SIR	6P	10	10
KRW/USD Futures	KRW	6K	10	10
MXN/USD Futures	6M	6M	10	10
PLN/USD Futures	PLN	PN	10	10
PLN/EUR Futures	EPZ	FP	10	10
RMB/USD Futures	RMB	F8	38	38
USD/Offshore RMB (CNH) Futures	CNH	RM	163	163
RMB/EUR Futures	RME	F9	10	10
RUB/USD Futures	6R	6R	10	10
US Dollar/Chilean Peso Futures	CHL	6H	50	50
Chilean Peso/U.S. Dollar (CLP/USD) Futures	CHP	CH	100	100
USD/ZAR Futures	ZAR	6Z	200	200
ZAR/USD Futures	6Z	6Z	10	10
USD/TRY Futures	TRY	TR	10	10
EUR/TRY Futures	TRE	FL	10	10
FX Vol Contracts (CME)				
EUR/USD 1-Month Realized Volatility Futures	16E	6E	5	5
EUR/USD 3-Month Realized Volatility Futures	36E	6E	5	5
Interest Rate Futures				
U.S. Treasury Futures (CBOT)				

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Short-Term U.S. Treasury Note Futures (2-Year)	ZT	ZT	0.039063	5
3-Year U.S. Treasury Note Futures	Z3N	Z3	0.117188	15
Medium-Term U.S. Treasury Note Futures (5-Year)	ZF	ZF	0.062500	8
Long-Term U.S. Treasury Note Futures (6 1/2 to 10-Year)	ZN	ZN	0.156250	10
10-Year U.S. Treasury Note Futures	TN	Z1	0.156250	10
Long-Term U.S. Treasury Bond Futures	UB	ZU	0.234375	8
U.S. Treasury Bond Futures	ZB	ZB	0.234375	8
Deliverable Interest Rate Swap Futures (CME)				
2-Year Deliverable Interest Rate Swap Futures	T1U	SJ	0.062500	8
5-Year Deliverable Interest Rate Swap Futures	F1U	SF	0.117188	8
7-Year USD Interest Rate Swap Futures	S1U	S7	0.156250	10
10-Year Deliverable Interest Rate Swap Futures	N1U	SN	0.234375	15
20-Year USD Interest Rate Swap Futures	E1U	S2	0.234375	8
30-Year Deliverable Interest Rate Swap Futures	B1U	SM	0.234375	8
2-Year EUR Interest Rate Swap Futures	T1E	SJ	70	7
5-Year EUR Interest Rate Swap Futures	F1E	SF	130	13
10-Year EUR Interest Rate Swap Futures	N1E	SN	250	25
Metals Futures				
Base (COMEX)				
Aluminum Futures	ALI	ST	1250	50
Aluminum A380 Alloy (Platts) Futures	A38	ST	500	500
Aluminium European Premium Duty-Paid (Metal Bulletin) Futures	EDP	ST	500	500
Aluminium European Premium Duty-Unpaid (Metal Bulletin) Futures	AEP	ST	500	500
Alumina FOB Australia (S&P Global Platts) Futures	ALA	ST	100	100
Alumina FOB Australia (Metal Bulletin) Futures	ALB	ST	100	100
Aluminum MW U.S. Transaction Premium (Platts) Futures	AUP	ST	500	500
Aluminum Japan Premium (Platts) Futures	MJP	ST	125	125
Ferrous (NYMEX)				
HMS 80/20 Ferrous Scrap, CFR Turkey (Platts) Futures	FSF	ST	125	125
Iron Ore 58% Fe, Low Alumina, CFR China (TSI) futures	TIC	ST	125	125
Iron Ore 62% Fe, CFR China (TSI) Futures	TIO	ST	125	125
Iron Ore 62% Fe, CFR North China (Platts) Futures	PIO	ST	125	125
U.S. Midwest Domestic Hot-Rolled Coil Steel Index Futures	HRC	ST	1300	13
U.S. Midwest #1 Busheling Ferrous Scrap Futures	BUS	ST	1250	1250

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Futures Combinations (CME,CBOT,NYMEX,COMEX)	Globex Non-Reviewable Ranges (NRR)			
Eurodollar Combinations	2 1/2 basis points			
Non-Eurodollar, non-implied eligible, intra-commodity spreads	25% of outright NRR (in Globex Format) with a minimum of 5 outright minimum ticks			
Implied eligible inter-commodity and intra-commodity spreads	Each leg evaluated as an outright			
Inter-commodity spreads	Wider of NRR of the two individual legs			
Non-Eurodollar, non-implied eligible, unidirectional intra-commodity combinations	Same as the NRR of the component contract			
Non-Eurodollar, non-implied eligible, unidirectional inter-commodity combinations	Sum of the NRRs of the component legs			
Exceptions:	100 points			
USD/ZAR Futures calendar spread				