

# HQ BROKER

## DERIVATIVE SPECIFICATIONS

Assets Contract and US Equities – Equities Europe

**(DERIVATIVE SPECIFICATIONS) Assets Contract and US Equities**

EQUITIES	DESCRIPTION
NOC	Northrop Grumman Corporation 100 Shares Per 1 Lot NYSE
GD	General Dynamics Corporation 100 Shares Per 1 Lot NYSE
RTN	Raytheon Company 100 Shares Per 1 Lot NYSE
KANG	iKang Healthcare Group Inc (ADR) 100 Shares Per 1 Lot NASDAQ
NQ	NQ Mobile Inc (ADR) 100 Shares Per 1 Lot NYSE
NX	Quanex Building Products Corporation 100 Shares Per 1 Lot NYSE
NDSN	Nordson Corporation 100 Shares Per 1 Lot NASDAQ
PAY	VeriFone Systems Inc 100 Shares Per 1 Lot NYSE
SBOT	Stellar Biotechnologies Inc 100 Shares Per 1 Lot NASDAQ
INTL	INTL Fcstone Inc 100 Shares Per 1 Lot NASDAQ
CIVI	Civitas Solutions Inc 100 Shares Per 1 Lot NYSE
CVM	CEL-SCI Corporation 100 Shares Per 1 Lot NYSEAMERICAN
PHX	Panhandle Oil and Gas Inc. 100 Shares Per 1 Lot NYSE
SKIS	Peak Resorts Inc 100 Shares Per 1 Lot NASDAQ
DTEA	DavidsTea Inc 100 Shares Per 1 Lot NASDAQ
COO	Cooper Companies Inc 100 Shares Per 1 Lot NYSE
TLRD	Tailored Brands Inc 100 Shares Per 1 Lot NYSE
SEAC	SeaChange International 100 Shares Per 1 Lot NASDAQ
OLLI	Ollie's Bargain Outlet Holdings Inc 100 Shares Per 1 Lot NASDAQ
MLNK	ModusLink Global Solutions, Inc. 100 Shares Per 1 Lot NASDAQ
POWL	Powell Industries, Inc. 100 Shares Per 1 Lot NASDAQ
PLAY	Dave & Buster's Entertainment Inc 100 Shares Per 1 Lot NASDAQ
VNET	21Vianet Group Inc. 100 Shares Per 1 Lot NASDAQ
FSLR	First Solar 1000 Shares Per 1 Lot Nasdaq
OSTK	Overstock.com Inc 100 Shares Per 1 Lot NASDAQ
AMD	Advanced Micro Devices Inc 100 Shares Per 1 Lot NASDAQ
MNR	Monmouth R.E. Inv. Corp. Class A 100 Shares Per 1 Lot NYSE
PFLT	Pennantpark Floating Rate Capital 100 Shares Per 1 Lot NASDAQ
SNPS	Synopsis, Inc. 100 Shares Per 1 Lot NASDAQ
DSGX	Descartes Systems Group Inc 100 Shares Per 1 Lot NASDAQ
JACK	Jack in the Box Inc. 100 Shares Per 1 Lot NASDAQ
HOME	At Home Group Inc 100 Shares Per 1 Lot NYSE
BV	Bazaarvoice Inc 100 Shares Per 1 Lot NASDAQ
MTSC	MTS Systems Corporation 100 Shares Per 1 Lot NASDAQ
TOUR	Tuniu Corp 100 Shares Per 1 Lot NASDAQ

DERIVATIVE SPECIFICATIONS 2018

AVAL	Grupo Aval Acciones y Valores SA 100 Shares Per 1 Lot NYSE
VCO	Vina Concha y Toro SA (ADR) 100 Shares Per 1 Lot NYSE
SQM	Sociedad Quimica y Minera de Chile 100 Shares Per 1 Lot NYSE
GME	GameStop Corp. 100 Shares Per 1 Lot NYSE
HPQ	HP Inc 100 Shares Per 1 Lot NYSE
BZUN	Baozun Inc (ADR) 100 Shares Per 1 Lot NASDAQ
CUB	Cubic Corporation 100 Shares Per 1 Lot NYSE
VIPS	Vipshop Holdings Ltd - ADR 100 Shares Per 1 Lot NYSE
HRG	HRG Group Inc 100 Shares Per 1 Lot NYSE
A	Agilent Technologies Inc 100 Shares Per 1 Lot NYSE
ROKU	Roku Inc 100 Shares Per 1 Lot NASDAQ
GLBS	Globus Maritime Ltd 100 Shares Per 1 Lot NASDAQ
LXFT	Luxoft Holding Inc 100 Shares Per 1 Lot NYSE
KTEC	Key Technology, Inc. 100 Shares Per 1 Lot NASDAQ
WAIR	Wesco Aircraft Holdings Inc 100 Shares Per 1 Lot NYSE
SPLK	Splunk Inc 100 Shares Per 1 Lot NASDAQ
NGVC	Natural Grocers by Vitamin Cottage 100 Shares Per 1 Lot NYSE
MATW	Matthews International Corp 100 Shares Per 1 Lot NASDAQ
YPF	YPF SA (ADR) 100 Shares Per 1 Lot NYSE
SFS	Smart & Final Stores Inc 100 Shares Per 1 Lot NYSE
NTAP	NetApp Inc. 100 Shares Per 1 Lot NASDAQ
CO	China Cord Blood Corp 100 Shares Per 1 Lot NYSE
SMI	Semiconductor Manufacturing Int'l 100 Shares Per 1 Lot NYSE
MBI	MBIA Inc. 100 Shares Per 1 Lot NYSE
ARA	American Renal Associates Holdings In 100 Shares Per 1 Lot NYSE
YY	YY Inc (ADR) 100 Shares Per 1 Lot NASDAQ
XXII	22nd Century Group Inc 100 Shares Per 1 Lot NYSEAMERICAN
SLNO	Soleno Therapeutics Inc 100 Shares Per 1 Lot NASDAQ
AGRO	Adecoagro SA 100 Shares Per 1 Lot NYSE
FSFG	First Savings Financial Group Inc 100 Shares Per 1 Lot NASDAQ
NL	NL Industries Inc 100 Shares Per 1 Lot NYSE
TURN	180 Degree Capital Corp 100 Shares Per 1 Lot NASDAQ
VRX	Valeant Pharmaceuticals Intl Inc 100 Shares Per 1 Lot NYSE
PBYI	Puma Biotechnology Inc 100 Shares Per 1 Lot NASDAQ
FH	Form Holdings Corp 100 Shares Per 1 Lot NASDAQ
FC	Franklin Covey Co. 100 Shares Per 1 Lot NYSE
AL	Air Lease Corp 100 Shares Per 1 Lot NYSE
AT	Atlantic Power Corp 100 Shares Per 1 Lot NYSE
JOBS	51Job, Inc. 100 Shares Per 1 Lot NASDAQ
SLF	Sun Life Financial Inc 100 Shares Per 1 Lot NYSE
ANGI	ANGI Homeservices Inc 100 Shares Per 1 Lot NASDAQ
EPR	EPR Properties 100 Shares Per 1 Lot NYSE
SQ	Square Inc 100 Shares Per 1 Lot NYSE

DERIVATIVE SPECIFICATIONS 2018

JAZZ	Jazz Pharmaceuticals PLC 100 Shares Per 1 Lot NASDAQ
TWO	Two Harbors Investment Corp 100 Shares Per 1 Lot NYSE
ETE	Energy Transfer Equity LP Unit 100 Shares Per 1 Lot NYSE
ILG	ILG Inc. 100 Shares Per 1 Lot NASDAQ
WEB	Web.com Group Inc. common stock 100 Shares Per 1 Lot NASDAQ
RRGB	Red Robin Gourmet Burgers, Inc. 100 Shares Per 1 Lot NASDAQ
OUT	Outfront Media Inc 100 Shares Per 1 Lot NYSE
FMC	FMC Corp 100 Shares Per 1 Lot NYSE
CIA	Citizens, Inc. 100 Shares Per 1 Lot NYSE
TSE	Trinseo S.A. 100 Shares Per 1 Lot NYSE
TEGP	Tallgrass Energy GP LP 100 Shares Per 1 Lot NYSE
NGVT	Ingevity Corp 100 Shares Per 1 Lot NYSE
MRC	MRC Global Inc 100 Shares Per 1 Lot NYSE
JOE	St. Joe Co 100 Shares Per 1 Lot NYSE
XENT	Intersect ENT Inc 100 Shares Per 1 Lot NASDAQ
MAIN	Main Street Capital Corporation 100 Shares Per 1 Lot NYSE
RICE	Rice Energy Inc 100 Shares Per 1 Lot NYSE
LSI	Life Storage Inc 100 Shares Per 1 Lot NYSE
SP	SP Plus Corp 100 Shares Per 1 Lot NASDAQ
CF	CF Industries Holdings, Inc. 100 Shares Per 1 Lot NYSE
PI	IMPINJ Inc 100 Shares Per 1 Lot NASDAQ
DNB	Dun & Bradstreet Corp 100 Shares Per 1 Lot NYSE
KAR	KAR Auction Services Inc 100 Shares Per 1 Lot NYSE
RRD	RR Donnelley & Sons Co 100 Shares Per 1 Lot NYSE
AFG	American Financial Group Inc 100 Shares Per 1 Lot NYSE
QUAD	Quad/Graphics, Inc. 100 Shares Per 1 Lot NYS
FORM	FormFactor, Inc. 100 Shares Per 1 Lot NASDAQ
OFIX	Orthofix International NV 100 Shares Per 1 Lot NASDAQ
CTL	Centurylink Inc 100 Shares Per 1 Lot NYSE
BFS	Saul Centers Inc 100 Shares Per 1 Lot NYSE
ARE	Alexandria Real Estate Equities Inc 100 Shares Per 1 Lot NYSE
APTS	Preferred Apartment Communities Inc. 100 Shares Per 1 Lot NYSE
FSCT	Forescout Technologies Inc 100 Shares Per 1 Lot NASDAQ
URG	Ur-Energy Inc. 100 Shares Per 1 Lot NYSEAMERICAN
SIMO	Silicon Motion Technology Corp. 100 Shares Per 1 Lot NASDAQ
BVN	Compania de Minas Buenaventura SAA 100 Shares Per 1 Lot NYSE
CHU	China Unicom (Hong Kong) Limited 100 Shares Per 1 Lot HKG
CB	Chubb Ltd 100 Shares Per 1 Lot NYSE
VRSN	Verisign, Inc. 100 Shares Per 1 Lot NASDAQ
INT	World Fuel Services Corp 100 Shares Per 1 Lot NYSE
MSA	MSA Safety Inc 100 Shares Per 1 Lot NYSE
CY	Cypress Semiconductor Corporation 100 Shares Per 1 Lot NASDAQ
TILE	Interface, Inc. 100 Shares Per 1 Lot NASDAQ

DERIVATIVE SPECIFICATIONS 2018

ECHO	Echo Global Logistics, Inc. 100 Shares Per 1 Lot NASDAQ
NOW	ServiceNow Inc 100 Shares Per 1 Lot NYSE
LOB	Live Oak Bancshares Inc 100 Shares Per 1 Lot NYSE
RJF	Raymond James Financial, Inc. 100 Shares Per 1 Lot NYSE
RGC	Regal Entertainment Group 100 Shares Per 1 Lot NYSE
RHI	Robert Half International Inc. 100 Shares Per 1 Lot NYSE
TSS	Total System Services, Inc. 100 Shares Per 1 Lot NYSE
HMN	Horace Mann Educators Corporation 100 Shares Per 1 Lot NYSE
XL	XL Group Ltd 100 Shares Per 1 Lot NYSE
ZION	Zions Bancorp 100 Shares Per 1 Lot NASDAQ
JBT	John Bean Technologies Corp 100 Shares Per 1 Lot NYSE
HNI	HNI Corp 100 Shares Per 1 Lot NYSE
CYBE	CyberOptics Corporation 100 Shares Per 1 Lot NASDAQ
CR	Crane Co. 100 Shares Per 1 Lot NYSE
ACC	American Campus Communities, Inc. 100 Shares Per 1 Lot NYSE
GILD	Gilead Sciences Inc 100 Shares Per 1 Lot NASDAQ
TRXC	Transenterix Inc. 100 Shares Per 1 Lot NYSE
BMI	Badger Meter, Inc. 100 Shares Per 1 Lot NYSE
EXEL	Exelixis Inc 100 Shares Per 1 Lot NASDAQ
FFBC	First Financial Bancorp 100 Shares Per 1 Lot NASDAQ
WDFC	WD-40 Company 100 Shares Per 1 Lot NASDAQ
TEAM	Atlassian Corporation PLC 100 Shares Per 1 Lot NASDAQ
WERN	Werner Enterprises, Inc. 100 Shares Per 1 Lot NASDAQ
AMNB	American National BankShares Inc 100 Shares Per 1 Lot NASDAQ
UAL	United Continental Holdings Inc 100 Shares Per 1 Lot NYSE
IMAX	Imax Corp (USA) 100 Shares Per 1 Lot NYSE
EXPO	Exponent, Inc. 100 Shares Per 1 Lot NASDAQ
SLG	SL Green Realty Corp 100 Shares Per 1 Lot NYSE
RLI	RLI Corp. 100 Shares Per 1 Lot NYSE
CTXS	Citrix Systems, Inc. 100 Shares Per 1 Lot NASDAQ
BJRI	BJ's Restaurants, Inc. 100 Shares Per 1 Lot NASDAQ
UFPI	Universal Forest Products, Inc. 100 Shares Per 1 Lot NASDAQ
KMI	Kinder Morgan Inc 100 Shares Per 1 Lot NYSE
PZN	Pzena Investment Management, Inc. 100 Shares Per 1 Lot NYSE
IBKR	Interactive Brokers Group, Inc. 100 Shares Per 1 Lot NASDAQ
SONC	Sonic Corporation 100 Shares Per 1 Lot NASDAQ
CE	Celanese Corporation 100 Shares Per 1 Lot NYSE
KMG	KMG Chemicals, Inc. 2000 Shares Per 1 Lot NYSE
BRO	Brown & Brown, Inc. 100 Shares Per 1 Lot NYSE
FRC	First Republic Bank 100 Shares Per 1 Lot TSE
WFC	Wells Fargo & CO 100 Shares Per 1 Lot NYSE
FBMS	First Bancshares Inc 100 Shares Per 1 Lot NASDAQ
EXFO	Exfo Inc 100 Shares Per 1 Lot TSE

DERIVATIVE SPECIFICATIONS 2018

HAWK	Blackhawk Network Holdings Inc 100 Shares Per 1 Lot NASDAQ
CUDA	Barracuda Networks Inc 100 Shares Per 1 Lot NYSE
ACST	Acasti Pharma Inc 100 Shares Per 1 Lot NASDAQ
HCSG	Healthcare Services Group, Inc. 100 Shares Per 1 Lot NASDAQ
FORD	Ford Motor Company 200 Shares Per 1 Lot NYSE
COP	ConocoPhillips 100 Shares Per 1 Lot NYSE
APA	Apache Corporation 100 Shares Per 1 Lot NYSE
BHGE	Baker Hughes A GE Co 100 Shares Per 1 Lot NYSE
COG	Cabot Oil & Gas Corp 100 Shares Per 1 Lot NYSE
HELE	Helen of Troy Limited 100 Shares Per 1 Lot NASDAQ
ODC	Oil-Dri Corporation of America 100 Shares Per 1 Lot NYSE
RECN	Resources Connection, Inc. 100 Shares Per 1 Lot NASDAQ
RT	Ruby Tuesday, Inc. 100 Shares Per 1 Lot NYSE
TERP	TerraForm Power Inc 100 Shares Per 1 Lot NASDAQ
NITE	NIGHTSTAR THERAPEUTICS PLC 150 Shares Per 1 Lot NASDAQ
CAMP	CalAmp Corp. 100 Shares Per 1 Lot NASDAQ
AEHR	Aehr Test Systems 100 Shares Per 1 Lot NASDAQ
PIR	Pier 1 Imports Inc 100 Shares Per 1 Lot NYSE
PRGS	Progress Software Corporation 100 Shares Per 1 Lot NASDAQ
THO	Thor Industries, Inc. 1500 Shares Per 1 Lot NYSE
CMTL	Comtech Telecomm. Corp. 100 Shares Per 1 Lot NASDAQ
LNDC	Landec Corporation 100 Shares Per 1 Lot NASDAQ
WOR	Worthington Industries, Inc. 100 Shares Per 1 Lot NYSE
CTAS	Cintas Corporation 100 Shares Per 1 Lot NASDAQ
SNX	SYNNEX Corporation 100 Shares Per 1 Lot NYSE
MAMS	MAM Software Group Inc. 100 Shares Per 1 Lot NASDAQ
CALM	Cal-Maine Foods Inc 100 Shares Per 1 Lot NASDAQ
UWN	Nevada Gold & Casinos 100 Shares Per 1 Lot NYSE
UBP	Urstadt Biddle Properties Inc 100 Shares Per 1 Lot NYSE
UBA	Urstadt Biddle Properties Inc 100 Shares Per 1 Lot NYSE
CHKE	Cherokee Inc 100 Shares Per 1 Lot NASDAQ
AAR	AAR Corp. 100 Shares Per 1 Lot NYSE
MLHR	Herman Miller, Inc. 100 Shares Per 1 Lot NASDAQ
ALOG	Analogic Corporation 100 Shares Per 1 Lot NASDAQ
JBL	Jabil Inc 100 Shares Per 1 Lot NYSE
ADBE	Adobe Systems Incorporated 100 Shares Per 1 Lot NASDAQ
FUL	HB Fuller Co 100 Shares Per 1 Lot NYSE
CPRT	Copart, Inc. 100 Shares Per 1 Lot NASDAQ
CAFD	8Point3 Energy Partners LP 100 Shares Per 1 Lot NASDAQ
SCS	Steelcase Inc. 100 Shares Per 1 Lot NYSE
KBH	KB Home 100 Shares Per 1 Lot NYSE
ASNA	Ascena Retail Group Inc 100 Shares Per 1 Lot NASDAQ
BHP	BHP Billiton Limited 100 Shares Per 1 Lot NYSE

DERIVATIVE SPECIFICATIONS 2018

SANW	S&W Seed Company 100 Shares Per 1 Lot NASDAQ
AVNW	Aviat Networks Inc 100 Shares Per 1 Lot NASDAQ
UNFI	United Natural Foods, Inc. 10000 Shares Per 1 Lot NASDAQ
AVIR	Aviragen Therapeutics Inc 100 Shares Per 1 Lot NASDAQ
AMRK	A-Mark Precious Metals Inc 10000 Shares Per 1 Lot NASDAQ
PSDV	pSivida Corp. 100 Shares Per 1 Lot NASDAQ
FARM	Farmer Brothers Co. 100 Shares Per 1 Lot NASDAQ
IRET	INVESTORS REAL ESTATE TRUST REIT 100 Shares Per 1 Lot NYSE
QCOM	QUALCOMM Incorporated 100 Shares Per 1 Lot NASDAQ
ARCW	ARC Group WorldWide Inc 100 Shares Per 1 Lot Nasdaq
CLDR	Cloudera Inc 100 Shares Per 1 Lot NYSE
TNTR	Tintri Inc 100 Shares Per 1 Lot Nasdaq
FNSR	Finisar Corporation 100 Shares Per 1 Lot Nasdaq
REVG	Rev Group Inc 100 Shares Per 1 Lot NYSE
AOBC	American Outdoor Brands Corp 100 Shares Per 1 Lot Nasdaq
VRNT	Verint Systems Inc. 100 Shares Per 1 Lot Nasdaq
KFY	Korn/Ferry International 100 Shares Per 1 Lot NYSE
EPM	Evolution Petroleum Corp 100 Shares Per 1 Lot NYSE
ABM	ABM Industries, Inc. 100 Shares Per 1 Lot NYSE
MIND	Mitcham Industries, Inc. 100 Shares Per 1 Lot Nasdaq
COUP	Coupa Software Inc 100 Shares Per 1 Lot Nasdaq
CASY	Casey's General Stores Inc 100 Shares Per 1 Lot Nasdaq
LAYN	Layne Christensen Company 100 Shares Per 1 Lot Nasdaq
SIGM	Sigma Designs Inc 100 Shares Per 1 Lot Nasdaq
PSEC	Prospect Capital Corporation 100 Shares Per 1 Lot Nasdaq
HPE	Hewlett Packard Enterprise Co 100 Shares Per 1 Lot NYSE
SBERS	Sberbank of Russia 500 Shares Per 1 Lot MICEX
LMT	Lockheed Martin Corporation 50 Shares Per 1 Lot NYSE
GS	GOLDMAN SACHS GROUP INC 500 Shares Per 1 Lot NYSE
MERCKUS	Merck Co. 500 Shares Per 1 Lot NYSE
3M	3M 150 Shares Per 1 Lot - NYSE
ALIBABA	Alibaba Group 150 Shares Per 1 Lot Nasdaq
AMAZON	Amazon 150 Shares Per 1 Lot Nasdaq
PAYPAL	PayPal Inc 150 Shares Per 1 Lot - NSDQ
MARVELL	MARVELL TECHNOLOGY 150 Shares Per 1 Lot Nasdaq
AMEX	AMERICAN EXPRESS CO 100 Shares Per 1 Lot - NYSE
EXXM	Exxon Mobil Corporation 150 Shares Per 1 Lot - NYSE
PFIZER	Pfizer 1 Shares Per 1 Lot NYSE
CHEVRON	Chevron Corporation 100 Shares Per 1 Lot - NYSE
BAIDU	BAIDU INC 10000 Shares Per 1 Lot Nasdaq
CATER	CATERPILLAR INC 150 Shares Per 1 Lot - NYSE
NOBLE	NOBLE ENERGY INC 150 Shares Per 1 Lot - NYSE
PG	PROCTER & GAMBLE CO 100 Shares Per 1 Lot - NYSE



DERIVATIVE SPECIFICATIONS 2018

ZYNGA	ZYNGA INC 1 Shares Per 100 Lot NASDAQ
HONEY	HONEYWELL INTL INC 500 Shares Per 1 Lot NYSE
YANDEX	YANDEX N V 10 Shares Per 1 Lot NASDAQ
UBS	UBS GROUP AG 1 Shares Per 1 Lot NYSE
ALCOA	Alcoa 2000 Shares Per 1 Lot NYSE
BOA	Bank of America 2000 Shares Per 1 Lot NYSE
APPLE	Apple Inc. 150 Shares Per 1 Lot Nasdaq
BBRY	Research In Motion 1000 Shares Per 1 Lot NASDAQ
BOEING	Boeing 250 Shares Per 1 Lot NYSE
CISCO	Cisco Systems 1000 Shares Per 1 Lot Nasdaq
COKE	Coca-Cola Inc. 250 Shares Per 1 Lot NYSE
UWTI	VELOCITYSHARES 3X LONG CRUDE ETN. 150 Shares Per 1 Lot - NYSE
FACEBOOK	Facebook 500 Shares Per 1 Lot NASDAQ
ATUS	Altice USA Inc 1000 Shares Per 1 Lot Nasdaq
AABA	Altaba Inc 100 Shares Per 1 Lot NASDAQ
CITI	CitiGroup 500 Shares Per 1 Lot NYSE
IRBT	iRobot CORP 150 Shares Per 1 Lot NASDAQ
MKSI	MKS Instruments 150 Shares Per 1 Lot NASDAQ
MORN	Morningstar INC 150 Shares Per 1 Lot NASDAQ
TEXAS	TEXAS INSTRS INC 150 Shares Per 1 Lot NASDAQ
ILMN	ILLUMINA INC 1 Shares Per 1 Lot NASDAQ
ALLSTATE	ALLSTATE CORP 1 Shares Per 1 Lot NYSE
FERRARI	FERRARI 100 Shares Per 1 Lot NYSE
EBAY	eBay 500 Shares Per 1 Lot Nasdaq
GE	General Electric 1000 Shares Per 1 Lot NYSE
GM	General Motors 1000 Shares Per 1 Lot NYSE
GOOGLE	Google 25 Shares Per 1 Lot Nasdaq
HPACK	Hewlett Packard 1000 Shares Per 1 Lot NYSE
INTEL	Intel 500 Shares Per 1 Lot Nasdaq
JNJ	Johnson & Johnson 250 Shares Per 1 Lot NYSE
MCDON	McDonalds 150 Shares Per 1 Lot NYSE
JPM	JP Morgan 500 Shares Per 1 Lot NYSE
MSFT	Microsoft 500 Shares Per 1 Lot Nasdaq
MONSANTO	Monsanto 250 Shares Per 1 Lot NYSE
MORSTAN	Morgan Stanley 1000 Shares Per 1 Lot NYSE
INO	Inovio Pharmaceuticals Inc. 150 Shares Per 1 Lot NASDAQ
NOKIA	Nokia 2000 Shares Per 1 Lot NYSE
RDS	Royal Dutch Shell plc 100 Shares Per 1 Lot NYSE
SHINHAN	Shinhan Financial Group 250 Shares Per 1 Lot NYSE
SONY	SONY 30 Shares Per 1 Lot NYSE
TOYOTA	Toyota 250 Shares Per 1 Lot NYSE
NETFLIX	NETFLIX INC 100 Shares Per 1 Lot - NSDQ
TSLA	Tesla Motors Inc. 50 Shares Per 1 Lot NASDAQ



DERIVATIVE SPECIFICATIONS 2018

TWITTER	Twitter 750 Shares Per 1 Lot NYSE
NVIDIA	NVIDIA CORP 10 Shares Per 1 Lot NASDAQ
ATVI	Activision Blizzard Inc 1 Shares Per 100 Lot NASDAQ
ACAD	ACADIA Pharmaceuticals Inc 500 Shares Per 1 Lot Nasdaq
AMGEN	AMGEN INC 100 Shares Per 1 Lot - NSDQ
CMG	CHIPOTLE MEXICAN GRILL INC. 1 Shares Per 1 Lot NYSE
AMP	Ameriprise Financial (AMP) 100 Shares Per1 Lot
CHE	Chemed (CHE) 100 Shares Per1 Lot
PSB	PS Business Parks (PSB) 100 Shares Per1 Lot
YAHOO	Yahoo 1000 Shares Per 1 Lot Nasdaq
MACYS	Macy's Inc 2000 Shares Per 1 Lot NYSE
PENNEY	JC Penney Company Inc 2000 Shares Per 1 Lot NYSE
BERKB	Berkshire Hathaway Class B 150 Shares Per 1 Lot NYSE
HAS	HASBRO INC 500 Shares Per 1 Lot Nasdaq
USSTEEL	United Steel 1000 Shares Per 1 Lot NYSE
BERK	Berkshire Hathaway Class A 150 Shares Per 1 Lot NYSE
AZUL	Azul SA 100 Shares Per 1 Lot NYSE
ATNT	AT&T, Inc 100 Shares Per 1 Lot NYSE
PEPSI	PepsiCo, Inc 100 Shares Per 1 Lot - NYSE
VERIZON	Verizon Communications Inc 100 Shares Per 1 Lot NYSE
RLAUREN	Ralph Lauren Corporation 100 Shares Per 1 Lot - NYSE
IBM	IBM 150 Shares Per 1 Lot NYSE
TMUS	T-Mobile US Inc 1500 Shares Per 1 Lot Nasdaq
CBPO	CHINA BIOLOGIC PRODS INC 150 Shares Per 1 Lot NASDAQ
EQUINIX	EQUINIX INC 100 Shares Per 1 Lot - NSDQ
VNTR	VENATOR MATERIALS 2000 Shares Per 1 Lot NYSE
RNGR	RANGER ENERGY SERVICES INC 100 Shares per 1 Lot NYSE
ALBEMARLE	Albemarle Corporation 100 Shares Per 1 Lot - NYSE
MARRIOTT	Marriott International Inc 100 Shares Per 1 Lot - NYSE
DISNEY	Walt Disney Company 100 Shares Per 1 Lot - NYSE
NTES	NetEase Inc 100 Shares Per 1 Lot - NYSE
DPS	Dr Pepper Snapple Group Inc. 100 Shares Per 1 Lot Nasdaq
AMC	AMC Entertainment Holdings Inc. 100 Shares Per 1 Lot Nasdaq
AKER	Akers Biosciences Inc. 100 Shares Per 1 Lot Nasdaq
SITO	Sito Mobile Ltd. 100 Shares Per 1 Lot Nasdaq
ANY	Sphere 3D Corp. 100 Shares Per 1 Lot Nasdaq
DAVE	Famous Dave's of America, Inc. 100 Shares Per 1 Lot Nasdaq
OXBR	Oxbridge Re Holdings Ltd. 100 Shares Per 1 Lot Nasdaq
FLL	Full House Resorts, Inc. 100 Shares Per 1 Lot Nasdaq
FENG	Phoenix New Media Ltd ADR. 100 Shares Per 1 Lot Nasdaq
CATS	Catasys, Inc. 100 Shares Per 1 Lot Nasdaq
URBN	Urban Outfitters, Inc. 100 Shares Per 1 Lot Nasdaq
VIAV	Viavi Solutions Inc. 100 Shares Per 1 Lot Nasdaq

DERIVATIVE SPECIFICATIONS 2018

BMA	Banco Macro SA (ADR) ADR Class B 100 Shares Per 1 Lot Nasdaq
GPS	Gap Inc. 100 Shares Per 1 Lot NYSE
ZOES	Zoe's Kitchen Inc. 100 Shares Per 1 Lot NYSE
AMAT	Applied Materials, Inc. 100 Shares Per 1 Lot NASDAQ
CRMT	America's Car-Mart, Inc. 100 Shares Per 1 Lot NASDAQ
ATGE	Adtalem Global Education Inc. 100 Shares Per 1 Lot NYSE
CIB	Bancolumbia SA (ADR). 100 Shares Per 1 Lot NYSE
BRID	Bridgford Foods Corporation. 100 Shares Per 1 Lot Nasdaq
DL	China Distance Education Hldgs Ltd. 100 Shares Per 1 Lot NYSE
FANH	Fanhua Inc (GDR) 100 Shares Per 1 Lot Nasdaq
TEDU	Tarena International Inc(ADR) 100 Shares Per 1 Lot Nasdaq
MNGA	MagneGas Corporation 100 Shares Per 1 Lot Nasdaq
IMUC	ImmunoCellular Therapeutics Ltd 100 Shares Per 1 Lot NYSE
ZTO	ZTO Express (Cayman) Inc (ADR) 100 Shares Per 1 Lot NYSE
CRM	salesforce.com, inc. 100 Shares Per 1 Lot NYSE
CREE	Cree, Inc. 100 Shares Per 1 Lot Nasdaq
LZB	La-Z-Boy Incorporated 100 Shares Per 1 Lot NYSE
ARAY	Accuray Incorporated 100 Shares Per 1 Lot Nasdaq
HP	HP Inc. 100 Shares Per 1 Lot NYSE
GES	Guess?, Inc. 100 Shares Per 1 Lot NYSE
EDAP	Edap Tms SA (ADR) 100 Shares Per 1 Lot Nasdaq
RAVN	Raven Industries, Inc. 100 Shares Per 1 Lot Nasdaq
QADA	QAD Inc. Class A 100 Shares Per 1 Lot Nasdaq
LFC	China Life Ins-A 100 Shares Per 1 Lot NYSE
PTR	PetroChina Company Limited (ADR) 100 Shares Per 1 Lot NYSE
ADSK	Autodesk, Inc. 100 Shares Per 1 Lot Nasdaq
VMW	VMware, Inc. 100 Shares Per 1 Lot NYSE
ACET	Aceto Corporation 100 Shares Per 1 Lot Nasdaq
BMRA	Biomerica, Inc. 100 Shares Per 1 Lot Nasdaq
CTLT	Catalent Inc 100 Shares Per 1 Lot NYSE
CULP	Culp, Inc. 100 Shares Per 1 Lot NYSE
NOAH	Noah Holdings Limited (ADR) 100 Shares Per 1 Lot NYSE
EXA	Exa Corp 100 Shares Per 1 Lot Nasdaq
HRB	H & R Block Inc 100 Shares Per 1 Lot NYSE
AVAV	AeroVironment, Inc. 100 Shares Per 1 Lot Nasdaq
NCS	NCI Building Systems Inc 100 Shares Per 1 Lot NYSE
BOX	Box Inc 100 Shares Per 1 Lot NYSE
SMTC	Semtech Corporation 100 Shares Per 1 Lot Nasdaq
KEYS	Keysight Technologies Inc 100 Shares Per 1 Lot NYSE
WDAY	Workday Inc 100 Shares Per 1 Lot Nasdaq
GEF	Greif, Inc. Class A 100 Shares Per 1 Lot NYSE
PANW	Palo Alto Networks Inc 100 Shares Per 1 Lot NYSE
AMBA	Ambarella Inc 100 Shares Per 1 Lot Nasdaq

DERIVATIVE SPECIFICATIONS 2018

NTNX	Nutanix Inc 100 Shares Per 1 Lot NYSE
TECD	Tech Data Corp 100 Shares Per 1 Lot Nasdaq
NTL	Nortel Inversora SA (ADR) 100 Shares Per 1 Lot NYSE
USFD	US Foods Holding Corp 250 Shares Per 1 Lot NYSE
NIKE	Nike, Inc. 150 Shares Per 1 Lot - NYSE
OMC	Omnicom Group Inc 1000 Shares Per 1 Lot NYSE
BEIGENE	BeiGene Ltd 1500 Shares Per 1 Lot Nasdaq
MCARD	Mastercard Inc 150 Shares Per 1 Lot NYSE
BGNE	BeiGene Ltd 150 Shares Per 1 Lot Nasdaq
BLK	BlackRock Inc 100 Shares Per 1 Lot NYSE
NAVI	Navient Corporation 1 Shares Per 1 Lot Nasdaq
TWLO	Twilio Inc 10000 Shares Per 1 Lot NYSE
NNI	Nelnet, Inc 1 Shares Per 1 Lot NYSE
TTD	TRADE DESK, INC. 150 Shares Per 1 Lot NASDAQ
VISA	VISA INC 150 Shares Per 1 Lot NYSE
CHK	Chesapeake Energy Corp 250 Shares Per 1 Lot NYSE
ITUB	Itau Unibanco Banco Holding SA 250 Shares Per 1 Lot NYSE
RANDG	Randgold Resources Ltd 100 Shares Per 1 Lot Nasdaq
PETRO	Petroleo Brasileiro Petrobras SA 150 Shares Per 1 Lot - NYSE
VALE	VALE 500 Shares Per 1 Lot NYSE
SNAPCHAT	SNAP INC 100 Shares Per 1 Lot - NYSE
MRO	Marathon Oil Corporation 1 Shares Per 1 Lot NYSE
ORACLE	Oracle Corporation 100 Shares Per 1 Lot NYSE
GPRO	GO PRO 10000 Shares Per 1 Lot NYSE

**(DERIVATIVE SPECIFICATIONS) Equities Europe**

EQUITIES EUROPE	DESCRIPTION
UNILEVER	UNILEVER OS 250 Shares Per 1 Lot Euronext
DP	DEUTSCHE POST 1 Shares Per 1 Lot Deutsche Borse
KRONES	KRONES AG 1 Shares Per 1 Lot Deutsche Borse
KUKA	KUKA AG 1 Shares Per 1 Lot Deutsche Borse
LANXESS	LANXESS AG 1 Shares Per 1 Lot Deutsche Borse
LEG	LEG IMMOBILIEN AG 1 Shares Per 1 Lot Deutsche Borse
LPKF	LPKF LASER+ELECTRON. 1 Shares Per 1 Lot Deutsche Borse
LEONI	LEONI CORPORATION 1 Shares Per 1 Lot Deutsche Borse
LUFTHANSA	LUFTHANSA 1 Shares Per 1 Lot Deutsche Borse
LONZA	LONZA N 1 Shares Per 1 Lot Swiss Exchange
DEUTZ	DEUTZ AG O.N. 1 Shares Per 1 Lot Deutsche Borse
DIALOG	DIALOG SEMICON. LS- 1 Shares Per 1 Lot Deutsche Borse
DMG	DMG MORI AG O.N. LS- 1 Shares Per 1 Lot Deutsche Borse
DUERR	DUERR AG O.N. 1 Shares Per 1 Lot Deutsche Borse
FRAPORT	FRAPORT AG FFM.AIRPORT 1 Shares Per 1 Lot Deutsche Borse
TKAG	THYSSENKRUPP 1Shares Per 1 Lot Deutsche Borse
STANDARDCH	STANDARD CHARTERED PLC 1 Shares Per 1 Lot - London exchange
SWATCH	SWATCH GROUP I 1 Shares Per 1 Lot Swiss Exchange
MAN	MAN LTD 1 Shares Per 1 Lot Deutsche Borse
MTU	MTU AERO ENGINES NA O.N. 1 Shares Per 1 Lot Deutsche Borse
MUV2	MUENCH RUECKVERS 1 Shares Per 1 Lot Deutsche Borse
NORDEX	NORDEX SE O.N. 1 Shares Per 1 Lot Deutsche Borse
NORMA	NORMA GROUP SE NA O.N. 1 Shares Per 1 Lot Deutsche Borse
OSRAM	OSRAM LICHT AG NA O.N. 1 Shares Per 1 Lot Deutsche Borse
PUMA	PUMA SE 1 Shares Per 1 Lot Deutsche Borse
RATIONAL	RATIONAL AG 1 Shares Per 1 Lot Deutsche Borse
RHOEN	RHOEN-KLINIKUM O.N 1 Shares Per 1 Lot Deutsche Borse
RTL	RTL GROUP 1 Shares Per 1 Lot Deutsche Borse
PHIA	PHILIPS KON 1 Shares Per 1 Lot Euronext
NOKIA-FIN	Nokia Oyj 1 Shares Per 1 Lot OMX Helsinki
NESTLE	NESTLE N 1 Shares Per 1 Lot Swiss Exchange
NOVARTIS	NOVARTIS N 1 Shares Per 1 Lot Swiss Exchange
ROCHE	ROCHE GS 1 Shares Per 1 Lot Swiss Exchange
GEA	GEA GROUP AG 1 Shares Per 1 Lot Deutsche Borse
WACKER	WACKER CHEMIE O.N. 1 Shares Per 1 Lot Deutsche Borse

DERIVATIVE SPECIFICATIONS 2018

WEBER	GERRY WEBER INTERNAT.O.N. 1 Shares Per 1 Lot Deutsche Borse
WINCOR	WINCOR NIXDORF O.N. 1 Shares Per 1 Lot Deutsche Borse
WIRECARD	WIRECARD AG 1 Shares Per 1 Lot Deutsche Borse
ZALANDO	ZALANDO SE 1 Shares Per 1 Lot Deutsche Borse
ZOOPLUS	ZOOPLUS AG 1 Shares Per 1 Lot Deutsche Borse
SALZGITTER	SALZGITTER AG O.N. 1 Shares Per 1 Lot Deutsche Borse
SIXT	SIXT SE ST O.N. 1 Shares Per 1 Lot Deutsche Borse
SKY	SKY London 1 Shares Per 1 Lot LSE (PENNY)
SMA	SMA SOLAR TECHNOL.AG 1 Shares Per 1 Lot Deutsche Borse
SPRINGER	A.SPRINGER SE VNA 1 Shares Per 1 Lot Deutsche Borse
SUEDZUCKER	SUEDZUCKER AG O.N. 1 Shares Per 1 Lot Deutsche Borse
TAG	TAG IMMOBILIEN AG 1 Shares Per 1 Lot Deutsche Borse
FUCHS	FUCHS PETROL.SE VZO O.N. 1 Shares Per 1 Lot Deutsche Borse
GERRESHEIM	GERRESHEIMER AG 1 Shares Per 1 Lot Deutsche Borse
AIRBUS-XET	AIRBUS GROUP 1 Shares Per 1 Lot Deutsche Borse
ATHENS	Athens Stock Exchange 1=1
ADVA	ADVA OPT.NETW.SE O.N. 1 Shares Per 1 Lot Deutsche Borse
AAREAL	AAREAL BANK AG 1 Shares Per 1 Lot Deutsche Borse
BASF	BASF SE 1 Shares Per 1 Lot Deutsche Borse
BERTRANDT	BERTRANDT AG O.N. 1 Shares Per 1 Lot Deutsche Borse
BAUER	BAUER AG 1 Shares Per 1 Lot Deutsche Borse
BILFINGER	BILFINGER SE O.N. 1 Shares Per 1 Lot Deutsche Borse
BOSS	HUGO BOSS AG NA O.N. 1 Shares Per 1 Lot Deutsche Borse
ACKERMANS	Ackermans 250 Shares Per 1 Lot NYSE Euronext Brussels
MERCK	Merck Co. 500 Shares Per 1 Lot NYSE
ALLI	Allianz 150 Shares Per 1 Lot Deutsche Borse
ADIDAS	Adidas 250 Shares Per 1 Lot Deutsche Borse
BAYER	Bayer 250 Shares Per 1 Lot Deutsche Borse
BMW	BMW 250 Shares Per 1 Lot Deutsche Borse
COMMBK	Commerz Bank 10000 Shares Per 1 Lot Deutsche Borse
DAIM	Daimler 500 Shares Per 1 Lot Deutsche Borse
DBFRA	Deutsche Bank 500 Shares Per 1 Lot Deutsche Borse
DTELE	Deutsche Telekom 2000 Shares Per 1 Lot Deutsche Borse
EOAN	E. ON 1000 Shares Per 1 Lot Deutsche Borse
INFTECH	Infineon Tech 2000 Shares Per 1 Lot Deutsche Borse
SAP	SAP 250 Shares Per 1 Lot Deutsche Borse
SIE	Siemens 150 Shares Per 1 Lot Deutsche Borse
VOWGEN	Volkswagen 150 Shares Per 1 Lot Deutsche Borse
METRO	Metro 500 Shares Per 1 Lot Deutsche Borse
AGRIC	Credit Agricole 10000 Shares Per 1 Lot Euronext
BNPEU	BNP Paribas 500 Shares Per 1 Lot Euronext
CAP	Cap Gemini 500 Shares Per 1 Lot Euronext
CARREF	Carrefour 1000 Shares Per 1 Lot Euronext

DERIVATIVE SPECIFICATIONS 2018

EDF	EDF 1000 Shares Per 1 Lot Euronext
GSZ	GDF Suez 1000 Shares Per 1 Lot Euronext
MCHLIN	Michelin 250 Shares Per 1 Lot Euronext
LVMH	LVMH SA 150 Shares Per 1 Lot Euronext
NICOX	NicOx 2000 Shares Per 1 Lot NYSE Euronext Paris.
ORANGEFR	Orange France 1000 Shares Per 1 Lot Euronext
SGOBAIN	Saint Gobain 500 Shares Per 1 Lot Euronext
SNFEUR	Sanofi-Aventis 250 Shares Per 1 Lot Euronext
TOTAL	Total 500 Shares Per 1 Lot Euronext
VALLOUREX	Vallourex 500 Shares Per 1 Lot NYSE Euronext Paris.
SOCIETE	Societe Generale 1000 Shares Per 1 Lot Euronext
GEMALTO	GEMALTO 100 Shares Per 1 Lot Euronext
VINCI	Vinci 500 Shares Per 1 Lot Euronext
ACCOR	Accor SA 300 Shares Per 1 Lot Euronext
AIR	Air Liquide SA 100 Shares Per 1 Lot Euronext
AIRBUS	AIRBUS GROUP 200 Shares Per 1 Lot Euronext
ALSTOM	Alstom SA 500 Shares Per 1 Lot Euronext
ESSILOR	Essilor International 150 Shares Per 1 Lot Euronext
ARLMIT	ArcelorMittal 900 Shares Per 1 Lot Euronext
BYGUES	Bouygues SA 350 Shares Per 1 Lot Euronext
DANONE	Danone SA 200 Shares Per 1 Lot Euronext
LOREAL	L'Oreal SA 100 Shares Per 1 Lot Euronext
LAFARGE	Lafarge SA 150 Shares Per 1 Lot Euronext
LEGRAND	Legrand SA 250 Shares Per 1 Lot Euronext
PERNOD	Pernod Ricard SA 150 Shares Per 1 Lot Euronext
PPR	PPR SA 70 Shares Per 1 Lot Euronext
PUB	Publicis pb SA 150 Shares Per 1 Lot Euronext
RENAULT	Renault SA 150 Shares Per 1 Lot Euronext
SOLVAY	Solvay SA 100 Shares Per 1 Lot Euronext
UNIBL	UNIBAIL RODAMCO 50 Shares Per 1 Lot Euronext
SCHNEIDER	Schneider Electric 150 Shares Per 1 Lot Euronext
VEOLIA	Veolia Environnement 750 Shares Per 1 Lot Euronext
VIVF	Vivendi France 1000 Shares Per 1 Lot Euronext
FRTELE	France Telecom 1000 Shares Per 1 Lot Euronext
ENI	ENI 1000 Shares Per 1 Lot Borsa Italiana
UNISPA	Unicredito Spa 10000 Shares Per 1 Lot Borsa Italiana
TELITA	Telecom Italia Ord 10000 Shares Per 1 Lot Borsa Italiana
GENE	Generali Ass 2000 Shares Per 1 Lot Borsa Italiana
ENEL	ENEL 10000 Shares Per 1 Lot Borsa Italiana
BUZZI	Buzzi Unicem 2000 Shares Per 1 Lot Borsa Italiana
FIAT	FIAT 10000 Shares Per 1 Lot Borsa Italiana
ROSNEFT	ROSNEFT 500 Shares Per 1 Lot MICEX
GAZPROM	Gazprom 500 Shares Per 1 Lot MICEX

DERIVATIVE SPECIFICATIONS 2018

LUKOIL	Lukoil 500 Shares Per 1 Lot MICEX
INTESA	Intesa-Sanpaolo 10000 Shares Per 1 Lot Borsa Italiana
VIVI	Vivendi Italy 1000 Shares Per 1 Lot Borsa Italiana
BBVA	BBVA 2000 Shares Per 1 Lot Bolsa de Madrid
BSANMD	Banco Santander 2000 Shares Per 1 Lot Bolsa de Madrid
IBER	Iberdrola 10000 Shares Per 1 Lot Bolsa de Madrid
INTEX	Inditex 150 Shares Per 1 Lot Bolsa de Madrid
REPSOL	Repsol YPF 1000 Shares Per 1 Lot Bolsa de Madrid
TELFON	Telefonica 1000 Shares Per 1 Lot Bolsa de Madrid
AGEAS	Ageas 500 Shares Per 1 Lot NYSE Euronext Brussels
AXA	AXA Group 1000 Shares Per 1 Lot Euronext
BELGACOM	Belgacom 500 Shares Per 1 Lot NYSE Euronext Brussels
STM	STMICROELECTRONICS 500 Shares Per 1 Lot Euronext Paris
DIETEREN	Dieteren 1000 Shares Per 1 Lot NYSE Euronext Brussels
UMICOR	Umicor 250 Shares Per 1 Lot NYSE Euronext Brussels
KBC	KBC 500 Shares Per 1 Lot NYSE Euronext Brussels
VOD	Vodafone Group 100 Shares Per 1 Lot - London exchange
LLOY	Lloyds Banking Group 300 Shares Per 1 Lot - London exchange
BPLON	BP PLC 50 Shares Per 1 Lot - London stock exchange
HSBCL	HSBC Holdings 50 Shares Per 1 Lot - London exchange
GLENCORE	Glencore Xstrata 100 Shares Per 1 Lot - London exchange
TESCO	Tesco PLC 100 Shares Per 1 Lot - London exchange
BARC	Barclays PLC 100 Shares Per 1 Lot - London exchange
MKS	Marks & Spencer Group 100 Shares Per 1 Lot - London exchange
SMSM-LI	Samsung Electronics 100 Shares Per 1 Lot - London exchange
RSA	RSA Insurance Group 250 Shares Per 1 Lot - London exchange
SBERS	Sberbank of Russia 500 Shares Per 1 Lot MICEX