

	Euronext Dublin Equities (1301-EUV)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Euronext Dublin Futures & Bonds (1302-EUB)	Y	Y	Referential, L1
	Euronext Equity and Index Derivatives (1072-LI)	Y	Y	Referential, L1, L2 MBL Depth10
	Euronext FX - Consolidated Tape (1303-FAS)	Y	Y	Referential, L1
	Euronext FX ECN (1316-FAT)	Y	Y	
	Oslo Bors Equities (1364-EUW)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
EuroTLX	EuroTLX (1187-EUT)	Y	Y	Referential, L1, L2 MBL Depth5
ICE	ICE Index (1271-IOC)	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBO
	ICE Futures EU Commodities (1041-ICE)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	ICE Futures EU Commodities (Implied Range) (1295-ICH)	Y	Y	Referential, L1, L2 MBL Depth5
	ICE Futures EU Financials (1175-ICL)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	ICE Futures EU Financials (Implied Range) (1262-ICF)	Y	Y	Referential, L1, L2 MBL Depth10
IPSX	IPSX (1268-IPS)	Y	Y	Referential, L2 MBL Depth5
JSE	JSE Equity Derivatives (1321-JSF)	Y	Y	
	JSE Equities (1047-JSE)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Ljubljana	Ljubljana Stock Exchange Enhanced Trading System (ETS) (1023-CHX)	Y	Y	
LME	LME base and ferrous metals (1284-LMF)	Y	Y	Referential, L1, L2 MBL Depth10
	LME precious metals (1285-LMG)	Y	Y	Referential, L1, L2 MBL Depth10
LSE Group	FTSE Indices (1036-FTE)	Y	Y	Referential, L1
	LSE European Market (1054-LEE)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	LSE International Market (1055-LEI)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	LSE UK Market (1053-LSE)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Turquoise (1098-TRQ)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Turquoise Europe (1304-TUR)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	TRADeCho (1234-LSF)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Moscow	Moscow Bonds (1177-MXB)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Moscow Equities (1176-MXE)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Moscow Futures & Options (1160-MXD)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Moscow FX (1179-MXF)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Moscow Indices (1178-MXI)	Y	Y	Referential, L1
	Moscow Repo (1327-MOS)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	ETS Commodity Exchange (Kazakhstan) (1159-ETS)	Y	Y	Referential, L1, L2 MBL Depth20
Nasdaq	Nasdaq Baltic Equity and Fixed Income (1212-BLT)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	NASDAQ Dubai (1372-NAE) *	Y	Y	Referential
	NASDAQ Nordic Indices (1119-NOY)	Y	Y	Referential, L1
	NASDAQ Nordic Commodities (1017-IOX)	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBO
	NASDAQ Nordic Derivatives Omnet (1059-GEN)	Y	Y	Referential, L2 MBL Depth5
	NASDAQ Nordic Derivatives TotalView (1214-NAT)	Y	Y	Referential, L2 MBL Depth10, L2 MBO
	NASDAQ Nordic Equity TotalView (1062-TOT)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Nordic Growth Market (1058-NGM)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Nordic Growth Market				
Prague	Prague Cash Market ADH (1087-PRG)	Y	Y	Referential, L1, L2 MBL Depth10
	Prague RapidADH (1402-PRA)	Y	Y	Referential, L1, L2 MBL Depth15
	Prague Indices ADH (1180-PRH)	Y	Y	Referential, L1
Saudi Arabia	Saudi Stock Exchange (1298-SAU) *	Y	Y	Referential
SIX Swiss	SIX Structured Products (ex Scoach SWX) IMI (1218-SIV)	Y	Y	Referential, L1, L2 MBL Depth5
	SIX Swiss incl. SWX Europe IMI (1217-SIX)	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	SIX Swiss Indices (1325-SIZ)	Y	Y	Referential, L1
Tel Aviv	Tel Aviv Bonds (1148-TAB)	Y	Y	Referential, L1, L2 MBL Depth5
	Tel Aviv Derivatives (1150-TAD)	Y	Y	Referential, L1, L2 MBL Depth5
	Tel Aviv Indices (1149-TAI)	Y	Y	Referential, L1
	Tel Aviv Shares (1147-TAS)	Y	Y	Referential, L1, L2 MBL Depth5
Vienna	Vienna Cash Market & Structured Products RapidADH (1121-VIR)	Y	Y	Referential, L1, L2 MBL Depth20
	Vienna Cash Market ADH (1099-VIE)	Y	Y	Referential, L1, L2 MBL Depth15
	Vienna Global Market (1263-VIF)	Y	Y	Referential, L1, L2 MBL Depth10
	Vienna Indices (1100-VII)	Y	Y	Referential, L1
Warsaw	Warsaw Stock Exchange, Warsaw Stock Exchange (NewConnect) (1101-WAR, 1230-WAS)	Y	Y	Referential, L1, L2 MBL Depth5
Zagreb Stock Exchange	Zagreb Stock Exchange (1379-ZAG) *	Y	Y	Referential

SYSTEMATIC INTERNALIZERS, APA AND TRADE REPORTING

EXCHANGE	Market	Order Routing	Data Vendor		Depth
			RAW Data	Normalized Data	
Cboe Global Markets	Cboe Europe BXTR (1211-BTR)	Y	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBO
Citadel	Citadel SI	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Jane Street	Jane Street SI	Y	Y	Y	Referential, L1, L2 MBL Depth10
LSE Group	TRADeCho (1234-LSF)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
NASDAQ	NASDAQ Baltic APA Service (1242-NAV)	Y	Y	Y	Referential, L1
	NASDAQ Nordic APA Service (1239-NAU)	Y	Y	Y	Referential, L1
Hudson River Trading	Hudson River Trading	Y	Y	Y	Referential, L1, L2 MBL Depth10
Tower Research	Tower Research SI	Y	Y	Y	Referential, L1, L2 MBL Depth10
Virtu Financial	Virtu Financial SI	Y	Y	Y	Referential, L1, L2 MBL Depth10
XTX Markets	XTX Markets SI	Y	Y	Y	Referential, L1, L2 MBL Depth20

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EXCHANGE	Market	Order Routing	Data Vendor		Depth
			RAW Data	Normalized Data	
ASX	ASX 24 Derivatives (1005-AUD)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	ASX Total Equities (1006-AUE)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	S&P/ASX Indices (1409-SPA)	Y	Y	Y	Referential, L1
BSE	Bombay Stock Exchange (1275-BOM)	Y	Y	Y	Referential, L1
	Bombay Stock Exchange Indices (1360-BON)	Y	Y	Y	Referential, L1, L2 MBL Depth5
Bursa Malaysia	Bursa Malaysia Equities (1161-BMM)	Y	Y	Y	Referential, L1, L2 MBL Depth5
	Bursa Malaysia Sectoral Indices (1162-BMI)	Y	Y	Y	Referential, L1
	FTSE Bursa Malaysia Index Series (1328-FIS)	Y	Y	Y	Referential, L1
Chi-X Australia	Chi-X Australia (1026-CHA)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Hanoi Stock Exchange	Hanoi Stock Exchange (1378-HAN) *	Y	Y	Y	Referential
HKEX	HKEX - S&P Indices (1169-HKS)	Y	Y	Y	Referential, L1
	HKEX Derivatives (1039-HKD)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	HKEX Securities (1038-HKE)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	HKEX - CSI Indices (1168-HKC)	Y	Y	Y	Referential, L1
	HSI Indices (1167-HKH)	Y	Y	Y	Referential, L1
Ho Chi Minh Stock Exchange	Ho Chi Minh Stock Exchange (1377-HOC) *	Y	Y	Y	Referential
India NSE	India NSE Capital Markets (1189-NSE)	Y	Y	Y	Referential, L1, L2 MBL Depth5
	India NSE Indices (1002-ARE)	Y	Y	Y	Referential, L1
Indonesia Stock Exchange	Indonesia Stock Exchange (1274-IND)	Y	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBO
	Nikkei Indices (1052-LIK)	Y	Y	Y	Referential, L1
JPX	JPX Osaka Stock Exchange Futures (1028-OMX)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	JPX Osaka Stock Exchange JGB Futures & Options (1048-KBT)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	JPX Osaka Stock Exchange Options (1037-GLO)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	JPX Tokyo Stock Exchange Equities (1095-TSE)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	JPX Tokyo Stock Exchange Equities Flex Full (1389-JPFX)	Y	Y	Y	Referential, L1, L2 MBL FULL
	Fukuoka Stock Exchange (1114-FSE)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	Sapporo Securities Exchange (1113-SSSE)	Y	Y	Y	Referential, L1
	Topix Indices (1171-TSI)	Y	Y	Y	Referential, L1
	Topix Indices Flex Full (1401-TOPI)	Y	Y	Y	Referential, L1
Korea Exchange	Korea Exchange - Derivatives A (1232-KOV)	Y	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBL Depth10
	Korea Exchange ETFs, ETNs, ELWs - Securities C (1233-KOW)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	Korea Exchange KOSDAQ Stocks - Securities B (1051-KOS)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	Korea Exchange KOSPI stock - Securities A (1049-KSE)	Y	Y	Y	Referential, L1, L2 MBL Depth10
New Zealand	New Zealand (1459-NEW)	Y	Y	Y	Referential, L1, L2 MBL Depth10
Philippines Stock Exchange	Philippines Stock Exchange (1324-PHI)	Y	Y	Y	Referential, L1, L2 MBL Depth10
Shanghai Exchange	Shanghai Stock Exchange (1082-OSE)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	Shanghai - CSI Indices (1083-OSD)	Y	Y	Y	Referential, L1
Shenzhen Exchange	Shenzhen Stock Exchange (1231-SHE)	Y	Y	Y	Referential, L1, L2 MBL Depth5, L2 MBL Depth10, L2 MBO
	Shenzhen Indices (1410-SHF)	Y	Y	Y	Referential, L1
SGX	FTSE Singapore Index Series (1329-FIT)	Y	Y	Y	Referential, L1
	SGX Singapore Exchange Equities (1091-SGX)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Singapore - NZX Dairy Derivatives (1408-SIN)	Y	Y	Y	Referential, L1, L2 MBL Depth10
	Singapore SE Derivatives Commodity Futures & Options (1221-SG7)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
	Singapore SE Derivatives Index Futures & Options and Foreign Exchange Futures (1222-SG2)	Y	Y	Y	Referential, L1, L2 MBL Depth10, L2 MBO
Thailand Exchange	Stock Exchange of Thailand Derivatives (1199-THD) *	Y	Y	Y	Referential
	Stock Exchange of Thailand Equities (1188-THA)	Y	Y	Y	Referential, L1, L2 MBL Depth5
Taiwan Futures	TAIFEX Derivatives Market Ultra (1286-TAK)	Y	Y	Y	Referential, L1, L2 MBL Depth5
Taiwan Stock Exchange	Taiwan Stock Exchange (1273-TAJ)	Y	Y	Y	Referential, L1, L2 MBL Depth5

(*Ref only)