

Class of Instrument	Equities - Shares & Depositary Receipts (T34)				
Notification if <1 average trade per business day in the previous year			No		
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
Bolsa de Madrid XMAD	44.11 %	45.64 %	53.14 %	39.34 %	0.00 %
CBOE EUROPE ? BXE OFF-BOOK BATF	7.13 %	1.07 %	0.18 %	5.11 %	0.00 %
Aquis Exchange AQXE	5.04 %	5.53 %	7.99 %	92.01 %	0.00 %
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	5.02 %	4.18 %	21.97 %	39.40 %	0.00 %
CHI-X Europe CHIX	4.91 %	18.26 %	79.13 %	20.87 %	0.00 %
Interaction	Execution				
	Rep	port provided by LiquidMetrix			



Class of Instrument	Equities - Shares & Depositary Receipts (T56) No Proportion of volume trad Proportion of orders eves Percentage of page Percentage of page Percentage of aggrees Percentage of direction of column Percentage of page Percentage o				
Notification if <1 average trade per business day in the previous year					
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
Bolsa de Madrid XMAD	34.10 %	31.15 %	67.38 %	28.98 %	0.00 %
CHI-X Europe CHIX	11.03 %	19.38 %	73.28 %	26.72 %	0.00 %
Off Exchange Transactions XOFF	5.73 %	0.10 %	10.16 %	2.34 %	0.00 %
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	5.15 %	8.07 %	9.44 %	23.76 %	0.00 %
BATS Europe BATE	4.71 %	12.50 %	84.79 %	15.21 %	0.00 %
Interaction	Execution				
	Rep	port provided by LiquidMetrix			



Class of Instrument	Other instruments				
Notification if <1 average trade per business day in the previous year	No				
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Percentage of dire cted orders			
Bolsa de Madrid XMAD	45.38 %	80.82 %	83.13 %	15.67 %	0.00 %
Off Exchange Transactions XOFF	24.84 %	1.36 %	19.64 %	14.29 %	0.00 %
CBOE EUROPE ? BXE OFF-BOOK BATF	10.64 %	0.56 %	0.00 %	86.96 %	0.00 %
CITADEL CONNECT EUROPE - SYSTEMATIC I NTERNALISER CCEU	4.04 %	0.58 %	0.00 %	100.00 %	0.00 %
CHI-X Europe CHIX	3.90 %	8.23 %	58.82 %	41.18 %	0.00 %
Interaction	Execution				
Report provided by LiquidMetrix					



Class of Instrument	Equities - Shares & Depositary Receipts (T12)						
Notification if <1 average trade per business day in the previous year	No						
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad as a percentage of tot al in that class Percentage of pass ive orders sive orders Percentage of aggres sive orders Percentage of aggres sive orders						
Off Exchange Transactions XOFF	47.00 %	0.94 %	0.00 %	33.33 %	0.00 %		
Bolsa de Madrid XMAD	40.83 %	5.03 %	12.50 %	87.50 %	0.00 %		
Turquoise Dark TRQM	6.56 %	0.94 %	0.00 %	33.33 %	0.00 %		
Lisbon Stock Exchange XLIS	2.43 %	40.25 %	5.47 %	92.97 %	0.00 %		
Deutsche Börse XETA XETA	1.77 %	6.29 %	80.00 %	20.00 %	0.00 %		
Interaction	Execution						
Report provided by LiquidMetrix							



Class of Instrument	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)				
Notification if <1 average trade per business day in the previous year	No				
Top five execution venues ranked in t erms of trading volumes (descending o rder)	Proportion of volume trad ed as a percentage of tot al in that class	Proportion of orders exec uted as percentage of tot al in that class	Percentage of pass ive orders	Percentage of aggres sive orders	Percentage of dire cted orders
Paris Stock Exchange XPAR	40.83 %	54.73 %	74.69 %	25.31 %	0.00 %
Off Exchange Transactions XOFF	24.98 %	12.50 %	0.00 %	0.00 %	0.00 %
MORGAN STANLEY EUROPE S.E SYSTEMAT IC INTERNALIS MESI	19.24 %	15.54 %	56.52 %	43.48 %	0.00 %
Bolsa de Madrid XMAD	6.75 %	3.38 %	80.00 %	20.00 %	0.00 %
CHI-X Europe CHIX	4.09 %	11.15 %	100.00 %	0.00 %	0.00 %
Interaction	Execution				
Report provided by LiquidMetrix					