

Class of Instrument **AA99**

Equity instruments- Shares and share certificates

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	1	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0.00%



Class of Instrument **AA99**

Equity instruments- Shares and share certificates

Tick Size

liquidity band A and liquidity band B

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	99,22%	93,76%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	0,74%	0,10%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	0,03%	6,14%	100,00%	0,00%	100,00%



Class of Instrument

AA99

Equity instruments- Shares and share certificates

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed in the previous year N

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 100,00% 100,00% 100,00% 0,00% 100,00%



Class of Instrument AA99

Equity instruments- Shares and share certificates

Tick Size liquidity band E and liquidity band F

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	98,13%	95,47%	100,00%	0,00%	100,00%
Goldman Sachs Bank Europe (8IBZUGJ7JPLH368JE346)	0,77%	0,31%	100,00%	0,00%	100,00%
Jefferies GmbH (5493004I3LZM39BWHQ75)	0,56%	2,50%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	0,54%	1,72%	100,00%	0,00%	100,00%



Class of Instrument AB99 Equity instruments- Shares and share certificates Tick Size not used Information on whether an average of < 1 trade per business day was executed in the previous year Y Top five execution venues ranked in terms of trading volumes Proportion of volume Proportion of orders Percentage of Percentage of Percentage of (descending order) traded as a percentage executed as percentage passive orders aggressive orders directed orders of total in that class of total in that class Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 0.00% 100,00% 100,00% 100,00% 100,00%



Class of Instrument AB99

Equity instruments- Shares and share certificates

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0,00%



Class of Instrument **AB99** Equity instruments- Shares and share certificates liquidity band C and liquidity band D Tick Size Information on whether an average of < 1 trade per business day was executed in the previous year N Top five execution venues ranked in terms of trading volumes Proportion of volume Proportion of orders Percentage of Percentage of Percentage of (descending order) traded as a percentage executed as percentage passive orders aggressive orders directed orders of total in that class of total in that class Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 0.00% 100,00% 100,00% 100,00% 100,00%



Class of Instrument

AB99

	Percentage of	Percentage of	Percentage of
executed as percentage	passive orders	aggressive orders	directed orders
of total in that class			!
			!
	1 0		

Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 100,00% 100,00% 100,00% 0,00% 100,00%



Class of Instrument AC99

Exchange traded products (ETPs)Exc

Tick Size not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	33,74%	36,81%	100,00%	0,00%	100,00%
Flow Traders B V (549300CLJI9XDH12XV51)	33,35%	36,12%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	22,20%	21,11%	100,00%	0,00%	100,00%
Optiver V.O.F. (7245009KRYSAYB2QCC29)	9,24%	5,09%	100,00%	0,00%	100,00%
Donner & Reuschel AG (23ZYQ4KSBEDVYML8NC86)	1,29%	0,67%	100,00%	0,00%	100,00%



Class of Instrument AC99

Exchange traded products (ETPs)Exc

Tick Size liquidity band A and liquidity band B

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	98,64%	99,17%	100,00%	0,00%	100,00%
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	1,36%	0,83%	100,00%	0,00%	100,00%



Class of Instrument AD99

other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year N

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class		Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0.00%



Class of Instrument AE99 other instruments Tick Size not used Information on whether an average of < 1 trade per business day was executed in the previous year Y Top five execution venues ranked in terms of trading volumes Proportion of volume Proportion of orders Percentage of Percentage of Percentage of (descending order) traded as a percentage executed as percentage passive orders aggressive orders directed orders of total in that class of total in that class Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 100,00% 0.00% 100,00% 100,00% 100,00%



Class of Instrument AE99

other instruments

Tick Size liquidity band A and liquidity band B

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	_ <u> </u>	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0,00%



Class of Instrument AE99

other instruments

Tick Size liquidity band C and liquidity band D

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0,00%



Class of Instrument BA10

Debt instruments

Tick Size not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
NatWest Markets N.V. (X3CZP3CK64YBHON1LE12)	19,95%	13,35%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTWFZYICNSX8D621K86)	15,11%	18,00%	100,00%	0,00%	100,00%
Wells Fargo Secur Intl Ltd. (BWS7DNS2Z4NPKPNYKL75)	10,80%	9,06%	100,00%	0,00%	100,00%
RBC Capital Markets Europe (549300SXSTGQY3EA1B18)	8,48%	8,87%	100,00%	0,00%	100,00%
Toronto Dominion Bk Ldn (PT3QB789TSUIDF371261)	7,99%	8,27%	100,00%	0,00%	100,00%



Class of Instrument

BA11

Debt instruments

Tick Size

not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)	27,97%	21,37%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	26,32%	21,06%	100,00%	0,00%	100,00%
Toronto Dominion Bk Ldn (PT3QB789TSUIDF371261)	7,38%	25,64%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd GmbH (JUNT405OW8OY5GN4DX16)	7,17%	5,45%	100,00%	0,00%	100,00%
Credit Agricole Corp & Inv (1VUV7VQFKUOQSJ21A208)	6,28%	4,27%	100,00%	0,00%	100,00%



Class of Instrument

BA12

Debt instruments

Tick Size

not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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UniCredit Bank AG Mün (2ZCNRR8UK83OBTEK2170)

100,00%

100,00%

100,00%

0.00%



Class of Instrument

BA13

Debt instruments

Tick Size

not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Hauck Aufhäuser Lampe (529900ODBMTZXAN1B073)	40,80%	39,22%	100,00%	0,00%	100,00%
DEKABK DGZ Ffm (0W2PZJM8XOY22M4GG883)	16,02%	15,51%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	10,20%	9,94%	100,00%	0,00%	100,00%
Banco Santander S A (5493006QMFDDMYWIAM13)	8,06%	7,73%	100,00%	0,00%	100,00%
Goldman Sachs Bk Europe SE (8IBZUGJ7JPLH368JE346)	7,03%	6,77%	100,00%	0,00%	100,00%



Class of Instrument

BA14

Debt instruments

Tick Size

not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe SE (54930056FHWP7GIWYY08)	10,77%	11,93%	100,00%	0,00%	100,00%
Jane Street Financial Ltd. (549300ZHEHX8M31RP142)	8,93%	9,09%	100,00%	0,00%	100,00%
RBC Capital Markets Europe (549300SXSTGQY3EA1B18)	8,85%	9,02%	100,00%	0,00%	100,00%
Goldman Sachs Bk Europe SE (8IBZUGJ7JPLH368JE346)	6,95%	6,69%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	6,37%	6,40%	100,00%	0,00%	100,00%



Class of Instrument

BA15

Debt instruments

Tick Size

not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Soc Gen Paris (O2RNE8IBXP4R0TD8PU41)	25,43%	13,85%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd GmbH (JUNT405OW8OY5GN4DX16)	10,99%	4,25%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTWFZYICNSX8D621K86)	9,18%	6,74%	100,00%	0,00%	100,00%
Toronto Dominion Bk Ldn (PT3QB789TSUIDF371261)	8,89%	4,36%	100,00%	0,00%	100,00%
Credit Agricole Corp & Inv (1VUV7VQFKUOQSJ21A208)	7,52%	3,77%	100,00%	0,00%	100,00%



Class of Instrument	BD21					
	Equity derivatives					
Tick Size	not used					
Information on whether	an average of < 1 trade per business day wa	s executed in the previous	s year Y			
Top five execution vo	enues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
J P Morgan SE FFM (54	9300ZK53CNGEEI6A29)	100,00%	100,00%	100,00%	0,00%	100,00%



Class of Instrument **BD99** other derivatives Tick Size not used Information on whether an average of < 1 trade per business day was executed in the previous year Y Top five execution venues ranked in terms of trading volumes Proportion of volume Proportion of orders Percentage of Percentage of Percentage of (descending order) traded as a percentage executed as percentage passive orders aggressive orders directed orders of total in that class of total in that class J P Morgan SE FFM (549300ZK53CNGEEI6A29) 100,00% 0.00% 100,00% 100,00% 100,00%



Class of Instrument

BE21

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)

Proportion of orders (executed as percentage of trade as a percentage

		(descending order)	traded as a percentage of total in that class	executed as percentage of total in that class	passive orders	aggressive orders	directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08) 100,00% 100,00% 100,00% 0,00% 100,00%



Class of Instrument

BE22

securitized derivatives

Tick Size

not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0.00%



Class of Instrument E

BE99

securitized derivatives

Tick Size

not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Raiffeisen Bank Intern. AG (9ZHRYM6F437SQJ6OUG95)	49,33%	50,92%	100,00%	0,00%	100,00%
HSBC Trinkaus Dssd GmbH (JUNT405OW8OY5GN4DX16)	31,11%	30,33%	100,00%	0,00%	100,00%
UBS Europe SE (5299007QVIQ7IO64NX37)	9,77%	9,19%	100,00%	0,00%	100,00%
Erste Group Bank AG Wien (PQOH26KWDF7CG10L6792)	5,48%	5,51%	100,00%	0,00%	100,00%
Millennium Europe Limited (213800M4PALWKTSLLI88)	4,31%	4,04%	100,00%	0,00%	100,00%



Class of Instrument BF99

Exchange traded products (ETPs)

Tick Size not used

Information on whether an average of < 1 trade per business day was executed in the previous year Y

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
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Morgan Stanley Europe SE (54930056FHWP7GIWYY08)

100,00%

100,00%

100,00%

0,00%



Class of Instrument CA99

Debt instruments

Tick Size not used

Top five execution venues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Credit Agricole Corp & Inv (1VUV7VQFKUOQSJ21A208)	38,47%	39,04%	100,00%	0,00%	100,00%
J P Morgan SE FFM (549300ZK53CNGEEI6A29)	26,73%	27,53%	100,00%	0,00%	100,00%
Citigroup Global Markets EU (6TJCK1B7E7UTXP528Y04)	14,40%	14,53%	100,00%	0,00%	100,00%
Barclays Bank PLC Ireland (2G5BKIC2CB69PRJH1W31)	5,35%	5,03%	100,00%	0,00%	100,00%
Deutsche Bk Ffm (7LTWFZYICNSX8D621K86)	3,61%	2,86%	100,00%	0,00%	100,00%



Class of Instrument	CB99					
	Other instruments					
Tick Size	liquidity band A and liquidity band B					
Information on whether	an average of < 1 trade per business day wa	s executed in the previous	s year Y			
1 *	nues ranked in terms of trading volumes (descending order)	Proportion of volume traded as a percentage of total in that class	Proportion of orders executed as percentage of total in that class	Percentage of passive orders	Percentage of aggressive orders	Percentage of directed orders
Morgan Stanley Europe	SE (54930056FHWP7GIWYY08)	100,00%	100,00%	100,00%	0,00%	100,00%