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	Benchmark (Net Total Return)	Benchmark Ticker (Bloomberg)	AMC / OCFs	Replication	Distribution	Exchange	Listed currency	LSE Ticker (GBP / USD)	ENX Ticker (EUR)	DB Ticker (EUR)	SIX Ticker (CHF)	LSE SEDOL (GBP / USD)	ENX SEDOL	DB Sedol	SIX SEDOL (CHF / USD)	ISIN	Valoren	WKN codes
Vanguard S&P 500 UCITS ETF	S&P 500 Index	SPTR500N	0.07%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VUSA / VUSD	VUSA	VUSA	VUSA	B7NLLS3 / B7NLJN4	B99L0D9	BVCTLF3	B93QQN2	IE00B3XXRP09	18575508	A1JX53
Vanguard FTSE 100 UCITS ETF	FTSE 100 Index	UKXNUK	0.09%	Physical	Quarterly	LSE / DB / SIX	GBP / EUR / CHF	VUKE (GBP)	—	VUKE	VUKE	B7HJBM7	—	BVGCSC4	BF2X142	IE00B810Q511	18575566	A1JX54
Vanguard DAX UCITS ETF	DAX® Index	DAXNR	0.10%	Physical	Quarterly	LSE/DB/SIX	GBP/EUR/CHF	VDXX	—	VDXX	VDXX	BF4Z2G5	—	BF4Z2J8	BF4Z2H6	IE00BG143G97	41860972	A2JF6S
Vanguard FTSE 250 UCITS ETF	FTSE 250 Index	MCXNUK	0.10%	Physical	Quarterly	LSE / DB / SIX	GBP / EUR / CHF	VMID (GBP)	—	VMID	VMID	BKXH1T3	—	BWNGS15	BF2X119	IE00BKX55Q28	25116447	A12CX0
Vanguard FTSE Developed Europe UCITS ETF	FTSE Developed Europe Index	TAWNT06E	0.12%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VEUR / VEUD	VEUR	VGEU	VEUR	B8Y8834 / BYXV9J9	B99L0G2	BVGCSS0	B975GG8	IE00B945VV12	20973873	A1T8FS
Vanguard FTSE Developed Europe ex UK UCITS ETF	FTSE Developed Europe ex UK Index	AWNT05EU	0.12%	Physical	Quarterly	LSE / ENX / DB	GBP / EUR	VERX (GBP)	VERX	VERX	—	BKXH1S2	BQWJ8J1	BWTW572	—	IE00BKX55S42	25116443	A12CXZ
Vanguard FTSE North America UCITS ETF	FTSE North America Index	AWNT14	0.10%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VNRT / VNDNR	VNRT	VNRT	VNRT	BKXH1R1 / BKXH1Q0	BQWJ8H9	BVVHQG4	BRJ9040	IE00BKX55R35	25115468	A12CXY
Vanguard FTSE Japan UCITS ETF	FTSE Japan Index	TIWJPNTU	0.19%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VJPN / VDJP	VJPN	VJPN	VJPN	B9L8M65 / B9G7DV9	B99L0K6	BVGCSSV3	B975GP7	IE00B95PGT31	20974096	A1T8FU
Vanguard FTSE Developed Asia Pacific ex Japan UCITS ETF	FTSE Developed Asia Pacific ex Japan Index	TAWNT09U	0.22%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VAPX / VDPX	VAPX	VGEJ	VAPX	B9MSLC3 / B94JY69	B99L0H3	BVGCST1	B975GS0	IE00B9F5YL18	20974082	A1T8FT
Vanguard FTSE Emerging Markets UCITS ETF	FTSE Emerging Index	TAWALENU	0.25%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VFEM / VDEM	VFEM	VFEM	VFEM	B7NLLK5 / B7NLJF6	B99L084	BVGCSSH9	B9F6LG8	IE00B3VMM84	18575472	A1JX51
Vanguard FTSE Developed World UCITS ETF	FTSE Developed Index	AWNT04U	0.18%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VEVE / VDEV	VEVE	VGVE	VEVE	BKXH1W6 / BKXH1V5	BQWJ8K2	BVVHQF3	BRJ9051	IE00BKX55T58	25116456	A12CX1
Vanguard FTSE All-World UCITS ETF	FTSE All-World Index	TAWNT01U	0.25%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VWRL / VWRD	VWRL	VGWL	VWRL	B7NLLH2 / B6QBHM9	B99L0B7	B83RD04	B952JY0	IE00B3RBWM25	18575459	A1JX52

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	Benchmark (Net Total Return)	Benchmark Ticker (Bloomberg)	AMC / OCFs	Replication	Distribution	Exchange	Listed currency	LSE Ticker (GBP / USD)	ENX Ticker (EUR)	DB Ticker (EUR)	SIX Ticker (CHF)	LSE SEDOL (GBP / USD)	ENX SEDOL	DB Sedol	SIX SEDOL (CHF / USD)	ISIN	Valoren	WKN codes
Vanguard FTSE All-World High Dividend Yield UCITS ETF	FTSE All-World High Dividend Yield Index	TAWHDY01	0.29%	Physical	Quarterly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VHYL / VHYD	VHYL	VGWD	VHYL	B9FH310 / B82D4M2	B99L0L7	BF49Q05	B975GH9	IE00B8GKDB10	20974572	A1T8FV
Vanguard Euro STOXX 50 UCITS ETF	Euro STOXX 50 Index	SX5T	0.10%	Physical	Quarterly	LSE / DB / SIX	GBP / EUR / CHF	VX5E	—	VX5E	VX5E	BF13PM9	—	BF2P5L3	BF2GK06	IE00BF4R5F15	38397825	A2DXRA
Vanguard U.K. Gilt UCITS ETF	Bloomberg Barclays Sterling Gilt Float Adjusted Index	L24FTRGU	0.12%	Physical	Monthly	LSE / DB	GBP / EUR	VG0V (GBP)	—	VG0V	—	B7NLJQ7	—	BVGCMX3	—	IE00B42WWV65	—	A1JX55
Vanguard EUR Corporate Bond UCITS ETF	Bloomberg Barclays Euro Aggregate: Corporates Index	LECPTREU	0.12%	Physical	Monthly	LSE / ENX / DB / SIX	GBP / EUR / CHF	VECP (GBP)	VECP	VECP	VECP	BYM2W94	BD97ZQ3	BD97JR2	BD97ZX0	IE00BZ163G84	30358994	A143JK
Vanguard EUR Eurozone Government Bond UCITS ETF	Bloomberg Barclays Euro Aggregate: Treasury Index	LEATTREU	0.12%	Physical	Monthly	LSE / ENX / DB / SIX	GBP / EUR / CHF	VETY (GBP)	VETY	VGEB	VETY	BYM2WB6	BD97ZR4	BD97JQ1	BD97ZY1	IE00BZ163H91	30358995	A143JL
Vanguard USD Corporate Bond UCITS ETF	Bloomberg Barclays Global Aggregate Corporate – United States Dollar Index	BGAUTRUU	0.12%	Physical	Monthly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VUCP / VDCP	VUCP	VUCP	VUCP	BYM2WX8 / BYM2WC7	BD97ZS5	BD97JN8	BD97ZZ2	IE00BZ163K21	30359005	A143JM
Vanguard USD Treasury Bond UCITS ETF	Bloomberg Barclays Global Aggregate US Treasury Float Adjusted Index	BUTFTRUU	0.12%	Physical	Monthly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VUTY / VDTY	VUTY	VGTY	VUTY	BYM2WY9 / BYM2WD8	BD97ZT6	BD97JM7	BD98005	IE00BZ163M45	30359006	A143JN
Vanguard USD Emerging Markets Government Bond UCITS ETF	Bloomberg Barclays EM USD Sovereign + Quasi-Sov Index	BESQSIUU	0.25%	Physical	Monthly	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VEMT / VDET	VEMT	VGEM	VDET	BYM2X68 / BYM2WG1	BD97ZW9	BZCNZP1	BD98027 / BYVVGK29	IE00BZ163L38	30359019	A143JQ
Vanguard USD Corporate 1-3 Year Bond UCITS ETF	Bloomberg Barclays Global Aggregate Corporate – United States Dollar Index 1-3 Year	I33680US	0.15%	Physical	Monthly	LSE/DB/SIX	GBP/ USD/ EUR/ CHF	VUSC / VDUC	—	VUSC	VUSC	BF4JR06, BFN3K11	—	BF4JQZ4	BF4JR17	IE00BDD48R20	40070038	A2JCCL
<i>Reference benchmark</i>																		
Vanguard Global Minimum Volatility UCITS ETF¹	FTSE Global All Cap Index Hedged	GPVAN094	0.22%	Active (optimised)	Accumulating	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VMVL / VDMV	VMVL	VMVL	VMVL	BYN7FN3 / BYYR0K4	BYRJNV9	BZ76RN7	BZ1DYN3	IE00BYR0C64	29226467	A14YCY
Vanguard Global Value Factor UCITS ETF¹	FTSE Developed All Cap Index	ACDNUS	0.22%	Active (optimised)	Accumulating	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VVAL / VDVA	VVAL	VGVL	VVAL	BYN7HC6 / BYYR0J3	BYRJNX1	BZ76RM6	BZ1DZF2	IE00BYR0B57	29226482	A14Y CZ
Vanguard Global Momentum Factor UCITS ETF¹	FTSE Developed All Cap Index	ACDNUS	0.22%	Active (optimised)	Accumulating	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VMOM / VDMO	VMOM	VMOM	VMOM	BYN7FX3 / BYYR0H1	BYRJNY2	BZ76RL5	BZ1DZT6	IE00BYR0935	29226495	A14Y C0
Vanguard Global Liquidity Factor UCITS ETF¹	FTSE Developed All Cap Index	ACDNUS	0.22%	Active (optimised)	Accumulating	LSE / ENX / DB / SIX	GBP / USD / EUR / CHF	VLIQ / VDLQ	VLIQ	VLIQ	VLIQ	BYN7F99 / BYYR0L5	BYRJJP13	BZ76RP9	BZ1DZW9	IE00BYR0D71	29226476	A14Y C1

¹ The Fund(s) are actively managed and do not intend to track or replicate the performance of the benchmark. Benchmark data is for reference only.

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