

Shareholders' Rights Directive II – Portfolio Turnover Rate

Based on the second shareholders' rights directive (SRD II) asset managers have to disclose certain information. As part of fund specific disclosure, this document contains portfolio turnover rates (PTORs) for the same period as the annual reports of the funds listed on this website. DWS has taken a consistent PTOR computation methodology across all our solutions.

Turnover numbers are calculated using the following method taken from the CSSF:

$$\text{Turnover} = ((\text{Total 1} - \text{Total 2}) / \text{M}) * 100$$

Where: Total 1 = Sum of all security transactions (purchases and sales) made during the period;

Total 2 = Sum of all creations and redemptions made during the period; M = Average Net Assets of the fund

Due to the formula used by the CSSF in calculating PTOR for Exchange Traded Funds (ETFs), in particular, the method for accounting for creations/redemptions of fund shares, turnover numbers may appear inflated or negative. Please note all transaction costs associated with these creations / redemptions will be externalized to the transacting investor and no costs will be borne by existing holders within the ETF. This calculation may also yield negative values in instances where creations / redemptions during the period exceed transactions made within the fund.

Sub-Fund name*	Turnover Rate
Xtrackers Bloomberg Commodity ex-Agriculture & Livestock Swap UCITS ETF	1209,93%
Xtrackers MSCI JAPAN UCITS ETF	-727,39%
Xtrackers MSCI World Swap UCITS ETF	927,25%
Xtrackers MSCI USA Swap UCITS ETF	1394,19%
Xtrackers MSCI Emerging Markets Swap UCITS ETF	1297,01%
Xtrackers MSCI EM Asia ESG Screened Swap UCITS ETF	1470,13%
Xtrackers MSCI EM Latin America ESG Swap UCITS ETF	1757,75%
Xtrackers MSCI EM Europe, Middle East & Africa ESG Swap UCITS ETF	1422,93%
Xtrackers Nifty 50 Swap UCITS ETF	1222,61%
Xtrackers Stoxx Global Select Dividend 100 Swap UCITS ETF	1265,72%
Xtrackers ShortDAX Daily Swap UCITS ETF	1640,03%
Xtrackers Euro Stoxx 50 Short Daily Swap UCITS ETF	1605,61%
Xtrackers DAX ESG Screened UCITS ETF	36,82%
Xtrackers MSCI EMU UCITS ETF	9,13%
Xtrackers Nikkei 225 UCITS ETF	-4,87%
Xtrackers FTSE 100 UCITS ETF	48,31%
Xtrackers Harvest FTSE China A-H 50 UCITS ETF	132,34%
Xtrackers Harvest CSI300 UCITS ETF	30,19%
Xtrackers MSCI Europe Materials ESG Screened UCITS ETF	41,98%
Xtrackers MSCI Europe Financials ESG Screened UCITS ETF	15,72%
Xtrackers MSCI Europe Health Care ESG Screened UCITS ETF	56,57%
Xtrackers MSCI Europe Information Technology ESG Screened UCITS ETF	16,11%
Xtrackers MSCI Europe Communication Services ESG Screened UCITS ETF	13,48%
Xtrackers MSCI Europe Utilities ESG Screened UCITS ETF	11,84%
Xtrackers MSCI Europe Consumer Staples ESG Screened UCITS ETF	8,55%
Xtrackers MSCI Europe Industrials ESG Screened UCITS ETF	31,66%
Xtrackers MSCI Europe Energy ESG Screened UCITS ETF	89,33%
Xtrackers MSCI China A ESG Screened Swap UCITS ETF	289,45%
Xtrackers MSCI Europe UCITS ETF	14,23%
Xtrackers Euro Stoxx 50 UCITS ETF	-14,26%
Xtrackers DAX UCITS ETF	22,29%

Sub-Fund name*	Turnover Rate
Xtrackers FTSE MIB UCITS ETF	24,27%
Xtrackers Switzerland UCITS ETF	3,22%
Xtrackers FTSE 100 Income UCITS ETF	42,62%
Xtrackers FTSE 250 UCITS ETF	52,66%
Xtrackers MSCI UK ESG UCITS ETF	60,67%
Xtrackers MSCI Taiwan UCITS ETF	23,07%
Xtrackers MSCI Brazil UCITS ETF	26,33%
Xtrackers MSCI Korea UCITS ETF	24,42%
Xtrackers FTSE China 50 UCITS ETF	58,41%
Xtrackers EURO STOXX QUALITY DIVIDEND UCITS ETF	235,57%
Xtrackers MSCI China UCITS ETF	2,23%
Xtrackers MSCI Malaysia UCITS ETF	11,27%
Xtrackers MSCI Thailand UCITS ETF	18,44%
Xtrackers MSCI Philippines UCITS ETF	14,33%
Xtrackers MSCI Pacific ex Japan ESG Screened UCITS ETF	69,04%
Xtrackers S&P ASX 200 UCITS ETF	54,71%
Xtrackers Stoxx Europe 600 UCITS ETF	26,18%
Xtrackers CAC 40 UCITS ETF	16,27%
Xtrackers MSCI Europe ESG Screened UCITS ETF	28,60%
Xtrackers MSCI Europe Small Cap UCITS ETF	58,01%
Xtrackers MSCI Mexico UCITS ETF	20,17%
Xtrackers FTSE Developed Europe Real Estate UCITS ETF	31,92%
Xtrackers Spain UCITS ETF	16,06%
Xtrackers ATX UCITS ETF	20,09%
Xtrackers MSCI SINGAPORE UCITS ETF	38,17%
Xtrackers SLI UCITS ETF	29,37%
Xtrackers MSCI Europe Value UCITS ETF	55,89%
Xtrackers MSCI Canada ESG Screened UCITS ETF	52,65%
Xtrackers Portfolio UCITS ETF	145,71%
Xtrackers Bloomberg Commodity Swap UCITS ETF	831,45%
Xtrackers MSCI India Swap UCITS ETF	1057,20%
Xtrackers MSCI Africa Top 50 Swap UCITS ETF	1045,51%
Xtrackers FTSE 100 Short Daily Swap UCITS ETF	956,65%
Xtrackers S&P 500 Inverse Daily Swap UCITS ETF	1461,32%
Xtrackers MSCI Indonesia Swap UCITS ETF	1177,97%
Xtrackers MSCI AC Asia ex Japan ESG Swap UCITS ETF	1658,30%
Xtrackers FTSE Vietnam Swap UCITS ETF	1149,75%
Xtrackers LPX Private Equity Swap UCITS ETF	854,60%
Xtrackers S&P Global Infrastructure Swap UCITS ETF	1049,85%
Xtrackers S&P Select Frontier Swap UCITS ETF	1017,29%
Xtrackers S&P 500 2x Leveraged Daily Swap UCITS ETF	1196,13%
Xtrackers LevDAX Daily Swap UCITS ETF	1075,77%
Xtrackers ShortDAX x2 Daily Swap UCITS ETF	1479,12%
Xtrackers S&P 500 2x Inverse Daily Swap UCITS ETF	2045,32%
Xtrackers CSI300 Swap UCITS ETF	1247,78%
Xtrackers S&P 500 Swap UCITS ETF	977,00%
Xtrackers MSCI Pakistan Swap UCITS ETF	887,32%
Xtrackers HARVEST MSCI CHINA TECH 100 UCITS ETF	66,00%
Xtrackers II EUR Corporate Bond Short Duration SRI PAB UCITS ETF	134,66%

Sub-Fund name*	Turnover Rate
Xtrackers II EUR Overnight Rate Swap UCITS ETF	3202,30%
Xtrackers II iTraxx Europe Swap UCITS ETF	976,53%
Xtrackers II iTraxx Crossover Swap UCITS ETF	812,93%
Xtrackers II iTraxx Crossover Short Daily Swap UCITS ETF	895,37%
Xtrackers II Eurozone Government Bond Short Daily Swap UCITS ETF	2465,33%
Xtrackers II iBoxx Germany Covered Bond Swap UCITS ETF	1750,50%
Xtrackers II USD Overnight Rate Swap UCITS ETF	2030,61%
Xtrackers II GBP Overnight Rate Swap UCITS ETF	1727,86%
Xtrackers II EUR High Yield Corporate Bond 1-3 Swap UCITS ETF	918,73%
Xtrackers II Harvest China Government Bond UCITS ETF	4,27%
Xtrackers II US Treasuries UCITS ETF	15,17%
Xtrackers II US Treasuries 1-3 UCITS ETF	171,97%
Xtrackers II EUR Corporate Bond UCITS ETF	81,15%
Xtrackers II EUR Corporate Bond SRI PAB UCITS ETF	84,37%
Xtrackers II Eurozone Government Bond UCITS ETF	55,15%
Xtrackers II Eurozone Government Bond 1-3 UCITS ETF	123,34%
Xtrackers II Eurozone Government Bond 3-5 UCITS ETF	159,32%
Xtrackers II Eurozone Government Bond 5-7 UCITS ETF	170,64%
Xtrackers II Eurozone Government Bond 7-10 UCITS ETF	1,35%
Xtrackers II Eurozone Government Bond 15-30 UCITS ETF	112,79%
Xtrackers II Eurozone Government Bond 25+ UCITS ETF	44,54%
Xtrackers II Eurozone Inflation-Linked Bond UCITS ETF	48,46%
Xtrackers II iBoxx Eurozone Government Bond Yield Plus 1-3 UCITS ETF	144,03%
Xtrackers II iBoxx Eurozone Government Bond Yield Plus UCITS ETF	18,10%
Xtrackers II EUR High Yield Corporate Bond UCITS ETF	1,83%
Xtrackers II USD Emerging Markets Bond UCITS ETF	41,98%
Xtrackers II Global Inflation-Linked Bond UCITS ETF	19,01%
Xtrackers II Global Government Bond UCITS ETF	26,66%
Xtrackers II Australia Government Bond UCITS ETF	29,44%
Xtrackers II Singapore Government Bond UCITS ETF	64,68%
Xtrackers II Japan Government Bond UCITS ETF	71,56%
Xtrackers II Germany Government Bond UCITS ETF	26,04%
Xtrackers II Germany Government Bond 1-3 UCITS ETF	140,46%
Xtrackers II Eurozone Government Bond ESG Tilted UCITS ETF	7,29%
Xtrackers II Eurozone Government Green Bond UCITS ETF	17,48%
Xtrackers II TIPS US Inflation-Linked Bond UCITS ETF	4,55%
Xtrackers II ESG Global Aggregate Bond UCITS ETF	-963,69%
Xtrackers II ESG Eurozone Government Bond UCITS ETF	48,62%
Xtrackers II ESG Global Government Bond UCITS ETF	105,02%
Xtrackers II Eurozone AAA Government Bond Swap UCITS ETF	684,44%
Xtrackers II Italy Government Bond 0-1 Swap UCITS ETF	1889,57%
Xtrackers II EUR Covered Bond Swap UCITS ETF	439,21%

* Sub-Fund names are as at 31 December 2022.

The aforementioned Sub-Funds may not be registered for public offering in all jurisdictions.