



INVESTMENT MARKET SOLUTIONS

XBRL Risk Return Taxonomy Element and Definition Guide

The RR 2018 XBRL Taxonomy Element and Definition Guide has been created to assist you in determining which elements (tags) are available for use for your risk/return summary XBRL filing. This list has been created from the RR 2018 taxonomy, which was approved by the SEC and released on March 12, 2018. Additions and changes to the RR 2012 XBRL Taxonomy Element and Definition Guide are highlighted with a light gray background.

Items that would be considered details within a paragraph or footnote are indicated with an “x” in the Detail Element column.

This list is up to date as of April 1, 2018. The SEC may change or update the taxonomy at which point this list may be out of date.

Please check with the SEC to be sure that there is not an updated taxonomy available before referencing this document.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
required	Document Type	dei	DocumentType	Will be either 485BPOS or 497.
required	Document Period End Date	dei	DocumentPeriodEndDate	Most annual prospectus updates include financials that have been prepared for some period. The DocumentPeriodEndDate for the R/R filings is the end of the period which those financials describe. A new prospectus or prospectus update that contains no historical financial data at all may use the filing date for the value of this element.
required	Registrant Name	dei	EntityRegistrantName	The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC.
required	Central Index Key	dei	EntityCentralIndexKey	A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK.
required	Amendment Flag	dei	AmendmentFlag	This will always be FALSE, since any amendment to this filing would be on a Form 497. If the value is true, then the document is an amendment to previously-filed/accepted document.
	Amendment Description	dei	AmendmentDescription	Must be absent, because Amendment Flag is false (EFM 6.5.20), required when Amendment Flag is "true."
	Trading Symbol	dei	TradingSymbol	Trading symbol of an instrument as listed on an exchange.
	Legal Entity Identifier	dei	LegalEntityIdentifier	A globally unique ISO 17442 value to identify entities, commonly abbreviated as LEI.
required	Document Creation Date	dei	DocumentCreationDate	The concept named DocumentCreationDate is the date that the official HTML or ASCII 485BPOS or 497 was filed via EDGAR (and not the date on which the 485BPOS or 497 containing the XBRL tagged data is filed).
required	Document Effective Date	dei	DocumentEffectiveDate	The concept named DocumentEffectiveDate is the date on which the official HTML or ASCII post-effective amendment became or will become effective (and not the date on which the 485BPOS or 497 containing the XBRL tagged data is effective).
required	Prospectus Date	rr	ProspectusDate	The concept named ProspectusDate is the date on the prospectus cover which was filed as part of the official HTML or ASCII 485BPOS.
required	Entity Investment Company Type	dei	EntityInvCompanyType	One of: N-1A (Mutual Fund), N-1 (Open-End Separate Account with No Variable Annuities), N-2 (Closed-End Investment Company), N-3 (Separate Account Registered as Open-End Management Investment Company), N-4 (Variable Annuity UIT Separate Account), N-5 (Small Business Investment Company), N-6 (Variable Life UIT Separate Account), S-1 or S-3 (Face Amount Certificate Company), S-6 (UIT, Non-Insurance Product).
	0400000 – Disclosure – Risk/Return Detail {Elements} Risk/Return:	rr-entire rr	RiskReturnAbstract	

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Risk/Return [Heading]	rr	RiskReturnHeading	Risk/Return Summary Investment Objectives/Goals Include the following information, in plain English under rule 421(d) under the Securities Act, in the order and subject matter indicated.
	Objective [Heading]	rr	ObjectiveHeading	Investment Objectives/Goals. Disclose the Fund's investment objectives or goals. A Fund also may identify its type or category (e.g., that it is a Money Market Fund or a balanced fund).
	Objective, Primary [TextBlock]	rr	ObjectivePrimaryTextBlock	Investment Objectives/Goals. Disclose the Fund's investment objectives or goals. A Fund also may identify its type or category (e.g., that it is a Money Market Fund or a balanced fund).
	Objective, Secondary [TextBlock]	rr	ObjectiveSecondaryTextBlock	Investment Objectives/Goals. Disclose the Fund's investment objectives or goals. A Fund also may identify its type or category (e.g., that it is a Money Market Fund or a balanced fund).
	020010 – Schedule – Shareholder Fees Shareholder Fees:	rr-entire rr	ShareholderFeesAbstract	
	Expense [Heading]	rr	ExpenseHeading	Risk/Return Summary Fee Table Includes the following information, in plain English under rule 421(d) under the Securities Act, after Item 2 Fees and expenses of the Fund This table describes the fees and expenses that you may pay if you buy and hold shared of the Fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$[_____] in [name of fund family] funds. Shareholder Fees (fees paid directly from your investment) Example. This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be You would pay the following expenses if you did not redeem your shares. The Example does not reflect sales charges (loads) on reinvested dividends [and other distributions]. If these sales charges (loads) were included, your costs would be higher. Portfolio Turnover The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover may indicate higher transaction costs. These costs, which are not reflected in annual fund operating expenses or in the example, affect the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was ___% of the average value of its whole portfolio. Instructions. A.3.instructions.6 New Funds. For purposes of this Item, a "New Fund" is a Fund that does not include in Form N-1A financial statements reporting operating results or that includes financial statements for the Fund's initial fiscal year reporting operating results for a period of 6 months or less. The following Instructions apply to New Funds.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Expense Narrative [Text Block]	rr	ExpenseNarrativeTextBlock	This table describes the fees and expenses that you may pay if you buy and hold shares of the Fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$[] in [name of fund family] funds. Include the narrative explanations in the order indicated. A Fund may modify the narrative explanations if the explanation contains comparable information to that shown. The narrative explanation regarding sales charge discounts is only required by a Fund that offers such discounts and should specify the minimum level of investment required to qualify for a discount. Modify the narrative explanation to state that Fund shares are sold on a national securities exchange at the end of the time periods indicated, and that brokerage commissions for buying and selling Fund shares through a broker are not reflected.
	Shareholder Fees Caption [Text]	rr	ShareholderFeesCaption	Shareholder Fees (fees paid directly from your investment).
	Shareholder Fees Column [Text]	rr	ShareholderFeesColumnName	Shareholder Fees (fees paid directly from your investment).
	Shareholder Fees [Text Block]	rr	ShareholderFeesTableTextBlock	Contains a command for the SEC Viewer for the role corresponding to ShareholderFeesData.
	Maximum Cumulative Sales Charge (as a percentage of Offering Price)	rr	MaximumCumulativeSalesChargeOverOfferingPrice	Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price). If a sales charge (load) is imposed on shares purchased with reinvested capital gains distributions or returns of capital, include the bracketed words in the third caption.
	Maximum Cumulative Sales Charge (as a percentage)	rr	MaximumCumulativeSalesChargeOverOther	Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price). If a sales charge (load) is imposed on shares purchased with reinvested capital gains distributions or returns of capital, include the bracketed words in the third caption.
	Maximum Sales Charge Imposed on Purchases (as a percentage of Offering Price)	rr	MaximumSalesChargeImposedOnPurchasesOverOfferingPrice	Maximum Deferred Sales Charge (Load) (as a percentage of ___) A.3.instructions.2.a.i "Maximum Deferred Sales Charge (Load)" includes the maximum total deferred sales charge (load) payable upon redemption, in installments, or both, expressed as a percentage of the amount or amounts stated in response to Item 7(a), except that, for a sales charge (load) based on net asset value at the time of purchase, show the sales charge (load) as a percentage of the offering price at the time of purchase. A Fund may include in a footnote to the table, if applicable, a tabular presentation showing the amount of deferred sales charges (loads) over time or a narrative explanation of the sales charges (loads) (e.g., ___% in the first year after purchase, declining to ___% in the ___ year and eliminated thereafter). A.3.instructions.2.a.ii If more than one type of sales charge (load) is imposed (e.g., a deferred sales charge (load) and a frontend sales charge (load)), the first caption in the table should read "Maximum Sales Charge (Load)" and show the maximum cumulative percentage. Show the percentage amounts and the terms of each sales charge (load) comprising that figure on separate lines below.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Maximum Deferred Sales Charge (as a percentage of Offering Price)	rr	MaximumDeferredSalesChargeOverOfferingPrice	Maximum Deferred Sales Charge (Load) (as a percentage of _____) A.3.instructions.2.a.i “Maximum Deferred Sales Charge (Load)” includes the maximum total deferred sales charge (load) payable upon redemption, in installments, or both, expressed as a percentage of the amount or amounts stated in response to Item 7(a), except that, for a sales charge (load) based on net asset value at the time of purchase, show the sales charge (load) as a percentage of the offering price at the time of purchase. A Fund may include in a footnote to the table, if applicable, a tabular presentation showing the amount of deferred sales charges (loads) over time or a narrative explanation of the sales charges (loads) (e.g., _____% in the first year after purchase, declining to _____% in the _____ year and eliminated thereafter). A.3.instructions.2.a.ii If more than one type of sales charge (load) is imposed (e.g., a deferred sales charge (load) and a front-end sales charge (load)), the first caption in the table should read “Maximum Sales Charge (Load)” and show the maximum cumulative percentage. Show the percentage amounts and the terms of each sales charge (load) comprising that figure on separate lines below.
	Maximum Deferred Sales Charge (as a percentage)	rr	MaximumDeferredSalesChargeOverOther	Maximum Deferred Sales Charge (Load) (as a percentage of _____) “Maximum Deferred Sales Charge (Load)” includes the maximum total deferred sales charge (load) payable upon redemption, in installments, or both, expressed as a percentage of the amount or amounts stated in response to Item 7(a), except that, for a sales charge (load) based on net asset value at the time of purchase, show the sales charge (load) as a percentage of the offering price at the time of purchase. A Fund may include in a footnote to the table, if applicable, a tabular presentation showing the amount of deferred sales charges (loads) over time or a narrative explanation of the sales charges (loads) (e.g., _____% in the first year after purchase, declining to _____% in the _____ year and eliminated thereafter). If more than one type of sales charge (load) is imposed (e.g., a deferred sales charge (load) and a front-end sales charge (load)), the first caption in the table should read “Maximum Sales Charge (Load)” and show the maximum cumulative percentage. Show the percentage amounts and the terms of each sales charge (load) comprising that figure on separate lines below.
	Maximum Sales Charge on Reinvested Dividends and Distributions (as a percentage)	rr	MaximumSalesChargeOnReinvestedDividendsAndDistributionsOverOther	Maximum Sales Charge (Load) Imposed on Reinvested Dividends [and other Distributions] (as a percentage of _____)
	Redemption Fee (as a percentage of Amount Redeemed)	rr	RedemptionFeeOverRedemption	“Redemption Fee” (as a percentage of amount redeemed, if applicable) If the Fund is an Exchange-Traded Fund and issues or redeems shares in creation units of not less than 25,000 shares each, exclude any fees charged for the purchase and redemption of the Fund’s creation units. “Redemption Fee” includes a fee charged for any redemption of the Fund’s shares, but does not include a deferred sales charge (load) imposed upon redemption. (ratio element)
	Redemption Fee	rr	RedemptionFee	“Redemption Fee” (as a percentage of amount redeemed, if applicable) If the Fund is an Exchange-Traded Fund and issues or redeems shares in creation units of not less than 25,000 shares each, exclude any fees charged for the purchase and redemption of the Fund’s creation units. “Redemption Fee” includes a fee charged for any redemption of the Fund’s shares, but does not include a deferred sales charge (load) imposed upon redemption. (monetary element)

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Exchange Fee (as a percentage of Amount Redeemed)	rr	ExchangeFeeOverRedemption	Exchange Fee includes the maximum fee charged for any exchange or transfer of interest from the Fund to another fund. The Fund may include in a footnote to the table, if applicable, a tabular presentation of the range of exchange fees or a narrative explanation of the fees. (ratio element)
	Exchange Fee	rr	ExchangeFee	Exchange Fee includes the maximum fee charged for any exchange or transfer of interest from the Fund to another fund. The Fund may include in a footnote to the table, if applicable, a tabular presentation of the range of exchange fees or a narrative explanation of the fees. (monetary element)
	Maximum Account Fee (as a percentage of Assets)	rr	MaximumAccountFeeOverAssets	Include the caption "Maximum Account Fees" only if the Fund charges these fees. A Fund may omit other captions if the Fund does not charge the fees or expenses covered by the captions. Disclose account fees that may be charged to a typical investor in the Fund; fees that apply to only a limited number of shareholders based on their particular circumstances need not be disclosed. Include a caption describing the maximum account fee (e.g., "Maximum Account Maintenance Fee" or "Maximum Cash Management Fee"). State the maximum annual account fee as either a fixed dollar amount or a percentage of assets. Include in a parenthetical to the caption the basis on which any percentage is calculated. If an account fee is charged only to accounts that do not meet a certain threshold (e.g., accounts under \$5)
	Maximum Account Fee	rr	MaximumAccountFee	Include the caption "Maximum Account Fees" only if the Fund charges these fees. A Fund may omit other captions if the Fund does not charge the fees or expenses covered by the captions. Disclose account fees that may be charged to a typical investor in the Fund; fees that apply to only a limited number of shareholders based on their particular circumstances need not be disclosed. Include a caption describing the maximum account fee (e.g., "Maximum Account Maintenance Fee" or "Maximum Cash Management Fee"). State the maximum annual account fee as either a fixed dollar amount or a percentage of assets. Include in a parenthetical to the caption the basis on which any percentage is calculated. If an account fee is charged only to accounts that do not meet a certain threshold (e.g., accounts under \$5)
	Shareholder Fee, Other	rr	ShareholderFeeOther	Other Expenses
	020020 – Schedule – Annual Fund Operating Expenses Operating Expenses:	rr-entire rr	OperatingExpenses Abstract	
	Operating Expenses Caption [Text]	rr	OperatingExpensesCaption	Annual Fund Operating Expenses (ongoing expenses that you pay each year as a percentage of the value of your investment)
	Operating Expenses Column [Text]	rr	OperatingExpensesColumnName	Annual Fund Operating Expenses (ongoing expenses that you pay each year as a percentage of the value of your investment)
	Management Fees (as a percentage of Assets)	rr	ManagementFeesOverAssets	Management Fees include investment advisory fees (including any fees based on the Fund's performance), any other management fees payable to the investment adviser or its affiliates, and administrative fees payable to the investment adviser or its affiliates that are not included as "Other Expenses."

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Distribution and Service (12b-1) Fees	rr	DistributionAndService12b1FeesOverAssets	Distribution [and/or Service] (12b-1) Fees” include all distribution or other expenses incurred during the most recent fiscal year under a plan adopted pursuant to rule 12b-1 [17 CFR 270.12b-1]. Under an appropriate caption or a subcaption of “Other Expenses,” disclose the amount of any distribution or similar expenses deducted from the Fund’s assets other than pursuant to a rule 12b-1 plan.
	Distribution or Similar (Non 12b-1) Fees	rr	DistributionOrSimilarNon12b1FeesOverAssets	Distribution [and/or Service] (12b-1) Fees” include all distribution or other expenses incurred during the most recent fiscal year under a plan adopted pursuant to rule 12b-1 [17 CFR 270.12b-1]. Under an appropriate caption or a subcaption of “Other Expenses,” disclose the amount of any distribution or similar expenses deducted from the Fund’s assets other than pursuant to a rule 12b-1 plan.
	Component1 Other Expenses	rr	Component1OtherExpensesOverAssets	The Fund may subdivide this caption into no more than three subcaptions that identify the largest expense or expenses comprising “Other Expenses,” but must include a total of all “Other Expenses.” Alternatively, the Fund may include the components of “Other Expenses” in a parenthetical to the caption.
	Component2 Other Expenses	rr	Component2OtherExpensesOverAssets	The Fund may subdivide this caption into no more than three subcaptions that identify the largest expense or expenses comprising “Other Expenses,” but must include a total of all “Other Expenses.” Alternatively, the Fund may include the components of “Other Expenses” in a parenthetical to the caption.
	Component3 Other Expenses	rr	Component3OtherExpensesOverAssets	The Fund may subdivide this caption into no more than three subcaptions that identify the largest expense or expenses comprising “Other Expenses,” but must include a total of all “Other Expenses.” Alternatively, the Fund may include the components of “Other Expenses” in a parenthetical to the caption.
	Other Expenses (as a percentage of Assets):	rr	OtherExpensesOverAssets	“Other Expenses” include all expenses not otherwise disclosed in the table that are deducted from the Fund’s assets or charged to all shareholder accounts. The amount of expenses deducted from the Fund’s assets are the amounts shown as expenses in the Fund’s statement of operations (including increases resulting from complying with paragraph 2(g) of rule 6-07 of Regulation S-X [17 CFR 210.6-07]). “Other Expenses” do not include extraordinary expenses as determined under generally accepted accounting principles (see Accounting Principles Board Opinion No. 30). If extraordinary expenses were incurred that materially affected the Fund’s “Other Expenses,” disclose in a footnote to the table what “Other Expenses” would have been had the extraordinary expenses been included.
	Acquired Fund Fees and Expenses	rr	AcquiredFundFeesAndExpensesOverAssets	Total Annual Fund Operating Expenses.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Expenses (as a percentage of Assets)	rr	ExpensesOverAssets	Total Annual Fund Operating Expenses. If the Fund is a Feeder Fund, reflect the aggregate expenses of the Feeder Fund and the Master Fund in a single fee table using the captions provided. In a footnote to the fee table, state that the table and Example reflect the expenses of both the Feeder and Master Funds. If the prospectus offers more than one Class of a Multiple Class Fund or more than one Feeder Fund that invests in the same Master Fund, provide a separate response for each Class or Feeder Fund. Base the percentages of “Annual Fund Operating Expenses” on amounts incurred during the Fund’s most recent fiscal year, but include in expenses amounts that would have been incurred absent expense reimbursement or fee waiver arrangements. If the Fund has changed its fiscal year and, as a result, the most recent fiscal year is less than three months, use the fiscal year prior to the most recent fiscal year as the basis for determining “Annual Fund Operating Expenses.”
	Fee Waiver or Reimbursement	rr	FeeWaiverOrReimbursementOverAssets	Total Annual Fund Operating Expenses. If there were expense reimbursement or fee waiver arrangements that reduced any Fund operating expenses and will continue to reduce them for no less than one year from the effective date of the Fund’s registration statement, a Fund may add two captions to the table one caption showing the amount of the expense reimbursement or fee waiver, and a second caption showing the Fund’s net expenses after subtracting the fee reimbursement or expense waiver from the total fund operating expenses. The Fund should place these additional captions directly below the “Total Annual Fund Operating Expenses” caption of the table and should use appropriate descriptive captions, such as “Fee Waiver [and/or Expense Reimbursement]” and “Total Annual Fund Operating Expenses After Fee Waiver [and/or Expense Reimbursement],” respectively. If the Fund provides this disclosure, also disclose the period for which the expense reimbursement or fee waiver arrangement is expected to continue, and briefly describe who can terminate the arrangement and under what circumstances.
	Net Expenses (as a percentage of Assets)	rr	NetExpensesOverAssets	Total Annual Fund Operating Expenses.
x	Fee Waiver or Reimbursement over Assets, Date of Termination	rr	FeeWaiverOrReimbursementOverAssetsDateOfTermination	Total Annual Fund Operating Expenses. If there were expense reimbursement or fee waiver arrangements that reduced any Fund operating expenses and will continue to reduce them for no less than one year from the effective date of the Fund’s registration statement, a Fund may add two captions to the table one caption showing the amount of the expense reimbursement or fee waiver, and a second caption showing the Fund’s net expenses after subtracting the fee reimbursement or expense waiver from the total fund operating expenses. The Fund should place these additional captions directly below the “Total Annual Fund Operating Expenses” caption of the table and should use appropriate descriptive captions, such as “Fee Waiver [and/or Expense Reimbursement]” and “Total Annual Fund Operating Expenses After Fee Waiver [and/or Expense Reimbursement],” respectively. If the Fund provides this disclosure, also disclose the period for which the expense reimbursement or fee waiver arrangement is expected to continue, and briefly describe who can terminate the arrangement and under what circumstances.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Expense Footnotes [Text Block]	rr	ExpenseFootnotes TextBlock	Shareholder Fees.
x	Expenses Deferred Charges [Text Block]	rr	ExpensesDeferredCharges TextBlock	A Fund may include in a footnote to the table, if applicable, a tabular presentation showing the amount of deferred sales charges (loads) over time or a narrative explanation of the sales charges (loads) (e.g., ___% in the first year after purchase, declining to ___% in the ____ year and eliminated thereafter).
x	Expenses Range of Exchange Fees [Text Block]	rr	ExpensesRangeOf ExchangeFeesTextBlock	The Fund may include in a footnote to the table, if applicable, a tabular presentation of the range of exchange fees or a narrative explanation of the fees.
x	Expense Breakpoint Discounts [Text]	rr	ExpenseBreakpoint Discounts	Include the narrative explanations in the order indicated. A Fund may modify the narrative explanations if the explanation contains comparable information to that shown. The narrative explanation regarding sales charge discounts is only required by a Fund that offers such discounts and should specify the minimum level of investment required to qualify for a discount.
x	Expense Breakpoint, Minimum Investment Required [Amount]	rr	ExpenseBreakpoint MinimumInvestment RequiredAmount	This element represents the minimum level of investment required to qualify for discounted sales charges or fund expenses (SEC Form N-1A 2006-09-14 A.3.instructions.1.b).
x	Expense Exchange Traded Fund Commissions [Text]	rr	ExpenseExchange TradedFundCommissions	Modify the narrative explanation to state that Fund shares are sold on a national securities exchange at the end of the time periods indicated, and that brokerage commissions for buying and selling Fund shares through a broker are not reflected.
x	Expenses Represent Both Master and Feeder [Text]	rr	ExpensesRepresent BothMasterAndFeeder	If the Fund is a Feeder Fund, reflect the aggregate expenses of the Feeder Fund and the Master Fund in a single fee table using the captions provided. In a footnote to the fee table, state that the table and Example reflect the expenses of both the Feeder and Master Funds.
x	Expenses Explanation of Nonrecurring Account Fee [Text]	rr	ExpensesExplanation OfNonrecurring AccountFee	The Fund may include an explanation of any non-recurring account fee in a parenthetical to the caption or in a footnote to the table.
x	Other Expenses, New Fund, Based on Estimates [Text]	rr	OtherExpensesNew FundBasedOnEstimates	This element represents the disclosure for new funds that "Other Expenses" are based on estimated amounts for the current fiscal year.
x	Acquired Fund Fees and Expenses, Based on Estimates [Text]	rr	AcquiredFundFeesAnd ExpensesBased OnEstimates	This element represents a statement that "Acquired Fund" (as defined) fees and expenses for the current year are based on estimates.
x	Expenses Other Expenses Had Extraordinary Expenses Been Included [Text]	rr	ExpensesOtherExpenses HadExtraordinary ExpensesBeenIncluded	"Other Expenses" do not include extraordinary expenses as determined under generally accepted accounting principles (see Accounting Principles Board Opinion No. 30). If extraordinary expenses were incurred that materially affected the Fund's "Other Expenses," disclose in a footnote to the table what "Other Expenses" would have been had the extraordinary expenses been included.
x	Expenses Restated to Reflect Current [Text]	rr	ExpensesRestated ToReflectCurrent	In a footnote to the table, disclose that the expense information in the table has been restated to reflect current fees.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
x	Expenses Not Correlated to Ratio Due to Acquired Fund Fees [Text]	rr	ExpensesNotCorrelatedToRatioDueToAcquiredFundFees	The Fund may clarify in a footnote to the fee table that the total annual fund operating expenses under Item 3 do not correlate to the ratio of expenses to average net assets given in response to Item 8, which reflects the operating expenses of the Fund and does not include Acquired Fund fees and expenses.
	Portfolio Turnover [Heading]	rr	PortfolioTurnoverHeading	Disclose the portfolio turnover rate provided in response to Item 14(a) for the most recent fiscal year (or for such shorter period as the Fund has been in operation). Disclose the period for which the information is provided if less than a full fiscal year. A Fund that is a Money Market Fund may omit the portfolio turnover information required by this Item.
	Portfolio Turnover [Text Block]	rr	PortfolioTurnoverTextBlock	Disclose the portfolio turnover rate provided in response to Item 14(a) for the most recent fiscal year (or for such shorter period as the Fund has been in operation). Disclose the period for which the information is provided if less than a full fiscal year. A Fund that is a Money Market Fund may omit the portfolio turnover information required by this Item.
x	Portfolio Turnover, Rate	rr	PortfolioTurnoverRate	This element represents the rate of portfolio turnover presented as a percentage (SEC Form N-1A 2006-09-14 A.3.example.3 Portfolio Turnover A.3.instructions.5 Portfolio Turnover).
	020030 – Schedule – Expense Example {Transposed} Expense Example:	rr-entire rr	ExpenseExampleAbstract	
	Expense Example [Heading]	rr	ExpenseExampleHeading	Heading for Expense Example.
	Expense Example by Year [Heading]	rr	ExpenseExampleByYearHeading	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	Expense Example Narrative [Text Block]	rr	ExpenseExampleNarrativeTextBlock	The Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds.
	Expense Example by, Year, Caption [Text]	rr	ExpenseExampleByYearCaption	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	Expense Example, By Year, Column [Text]	rr	ExpenseExampleByYearColumnName	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Expense Example, with Redemption, 1 Year	rr	ExpenseExampleYear01	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	Expense Example, with Redemption, 3 Years	rr	ExpenseExampleYear03	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	Expense Example, with Redemption, 5 Years	rr	ExpenseExampleYear05	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	Expense Example, with Redemption, 10 Years	rr	ExpenseExampleYear10	The Example assumes that you invest \$10,000 in the Fund for the time periods indicated and then you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return per year and that the Fund's operating expenses remained the same. Although your actual costs may be higher or lower.
	020040 – Schedule – Expense Example, No Redemption {Transposed} Expense Example, No Redemption:	rr-entire rr	ExpenseExampleNoRedemptionAbstract	
	Expense Example, No Redemption, By Year, Caption [Text]	rr	ExpenseExampleNoRedemptionByYearCaption	You would pay the following expenses if you did not redeem your shares. Include the second 1-, 3-, 5-, and 10-year periods and related narrative explanation only if a sales charge (load) or other fee is charged upon redemption.
	Expense Example, No Redemption, By Year, Column [Text]	rr	ExpenseExampleNoRedemptionByYearColumnName	You would pay the following expenses if you did not redeem your shares.
	Expense Example, No Redemption Narrative [Text Block]	rr	ExpenseExampleNoRedemptionNarrativeTextBlock	Contains a command for the SEC Viewer for the role corresponding to ExpenseExampleNoRedemption.
	Expense Example, No Redemption, 1 Year	rr	ExpenseExampleNoRedemptionYear01	You would pay the following expenses if you did not redeem your shares. Include the second 1-, 3-, 5-, and 10-year periods and related narrative explanation only if a sales charge (load) or other fee is charged upon redemption.
	Expense Example, No Redemption, 3 Years	rr	ExpenseExampleNoRedemptionYear03	You would pay the following expenses if you did not redeem your shares. Include the second 1-, 3-, 5-, and 10-year periods and related narrative explanation only if a sales charge (load) or other fee is charged upon redemption.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Expense Example, No Redemption, 5 Years	rr	ExpenseExampleNoRedemptionYear05	You would pay the following expenses if you did not redeem your shares. Include the second 1-, 3-, 5-, and 10-year periods and related narrative explanation only if a sales charge (load) or other fee is charged upon redemption.
	Expense Example, No Redemption, 10 Years	rr	ExpenseExampleNoRedemptionYear10	You would pay the following expenses if you did not redeem your shares. Include the second 1-, 3-, 5-, and 10-year periods and related narrative explanation only if a sales charge (load) or other fee is charged upon redemption.
	Expense Example Footnotes [Text Block]	rr	ExpenseExampleFootnotesTextBlock	The Example does not reflect sales charges (loads) on reinvested dividends [and other distributions]. If these sales charges (loads) were included, your costs would be higher.
	Expense Example Closing [Text Block]	rr	ExpenseExampleClosingTextBlock	The Example does not reflect sales charges (loads) on reinvested dividends [and other distributions]. If these sales charges (loads) were included, your costs would be higher.
	Strategy [Heading]	rr	StrategyHeading	Principal investment strategies of the Fund. Summarize how the Fund intends to achieve its investment objectives by identifying the Fund’s principal investment strategies (including the type or types of securities in which the Fund invests or will invest principally) and any policy to concentrate in securities of issuers in a particular industry or group of industries.
	Strategy Narrative [Text Block]	rr	StrategyNarrativeTextBlock	Principal investment strategies of the Fund. Summarize how the Fund intends to achieve its investment objectives by identifying the Fund’s principal investment strategies (including the type or types of securities in which the Fund invests or will invest principally) and any policy to concentrate in securities of issuers in a particular industry or group of industries.
x	Strategy Portfolio Concentration [Text]	rr	StrategyPortfolioConcentration	Principal investment strategies of the Fund. Summarize how the Fund intends to achieve its investment objectives by identifying the Fund’s principal investment strategies (including the type or types of securities in which the Fund invests or will invest principally) and any policy to concentrate in securities of issuers in a particular industry or group of industries.
	Risk [Heading]	rr	RiskHeading	Narrative Risk Disclosure.
	Risk Narrative [Text Block]	rr	RiskNarrativeTextBlock	Narrative Risk Disclosure. A Fund may, in responding to this Item, describe the types of investors for whom the Fund is intended or the types of investment goals that may be consistent with an investment in the Fund.
	Risk Footnotes [Text Block]	rr	RiskFootnotesTextBlock	Narrative Risk Disclosure.
	Risk Closing [Text Block] – (continued on next page)	rr	RiskClosingTextBlock	(ii) (A) If the Fund is a Money Market Fund that is not a government Money Market Fund, as defined in §270.2a– 7(a)(16) or a retail Money Market Fund, as defined in § 270.2a– 7(a)(25), include the following statement: You could lose money by investing in the Fund. Because the share price of the Fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The Fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the Fund’s liquidity falls below required minimums because of market conditions or other factors. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund’s sponsor has no legal obligation

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Risk Closing [Text Block] – (continued)	rr	RiskClosingTextBlock	<p>to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time. (B) If the Fund is a Money Market Fund that is a government Money Market Fund, as defined in § 270.2a-7(a)(16), or a retail Money Market Fund, as defined in § 270.2a-7(a)(25), and that is subject to the requirements of §§ 270.2a-7(c)(2)(i) and/or (ii) of this chapter (or is not subject to the requirements of §§ 270.2a-7(c)(2)(i) and/or (ii) of this chapter pursuant to § 270.2a-7(c)(2)(iii) of this chapter, but has chosen to rely on the ability to impose liquidity fees and suspend redemptions consistent with the requirements of §§ 270.2a-7(c)(2)(i) and/or (ii)), include the following statement: You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the Fund’s liquidity falls below required minimums because of market conditions or other factors. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund’s sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time. (C) If the Fund is a Money Market Fund that is a government Money Market Fund, as defined in § 270.2a-7(a)(16), that is not subject to the requirements of §§ 270.2a-7(c)(2)(i) and/or (ii) of this chapter pursuant to § 270.2a-7(c)(2)(iii) of this chapter, and that has not chosen to rely on the ability to impose liquidity fees and suspend redemptions consistent with the requirements of §§ 270.2a-7(c)(2)(i) and/or (ii), include the following statement: You could lose money by investing in the Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund’s sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time. Instruction. If an affiliated person, promoter, or principal underwriter of the Fund, or an affiliated person of such a person, has contractually committed to provide financial support to the Fund, and the term of the agreement will extend for at least one year following the effective date of the Fund’s registration statement, the statement specified in Item 4(b)(1)(ii)(A), Item 4(b)(1)(ii)(B), or Item 4(b)(1)(ii)(C) may omit the last sentence (“The Fund’s sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.”). For purposes of this Instruction, the term “financial support” includes any capital contribution, purchase of a security from the Fund in reliance on § 270.17a-9, purchase of any defaulted or devalued security at par, execution of letter of credit or letter of indemnity, capital support agreement (whether or not the Fund ultimately received support), performance guarantee, or any other similar action reasonably intended to increase or stabilize the value or liquidity of the fund’s portfolio; however, the term “financial support” excludes any routine waiver of fees or reimbursement of fund expenses, routine inter-fund lending, routine inter-fund</p>

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Risk Closing [Text Block] – (continued)	rr	RiskClosingTextBlock	purchases of fund shares, or any action that would qualify as financial support as defined above, that the board of directors has otherwise determined not to be reasonably intended to increase or stabilize the value or liquidity of the fund’s portfolio. (iii) If the Fund is advised by or sold through an insured depository institution, state that: An investment in the Fund is not a deposit of the bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Instruction. A Money Market Fund that is advised by or sold through an insured depository institution should combine the disclosure required by Items 4(b)(1)(ii) and (iii) in a single statement.
x	Risk Lose Money [Text]	rr	RiskLoseMoney	Summarize the principal risks of investing in the Fund, including the risks to which the Fund’s portfolio as a whole is subject and the circumstances reasonably likely to affect adversely the Fund’s net asset value, yield, and total return. Unless the Fund is a Money Market Fund, disclose that loss of money is a risk of investing in the Fund. If the Fund is a Money Market Fund, include the following statement: “You could lose money by investing in the Fund.”
x	Risk Nondiversified Status [Text]	rr	RiskNondiversifiedStatus	If applicable, state that the Fund is non-diversified, describe the effect of non-diversification (e.g., disclose that, compared with other funds, the Fund may invest a greater percentage of its assets in a particular issuer), and summarize the risks of investing in a non-diversified fund.
x	Risk Money Market Fund Price Fluctuates [Text]	rr	RiskMoneyMarketFundPriceFluctuates	Include the statement “Because the share price of the Fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them.”
x	Risk Money Market Fund May Not Preserve Dollar [Text]	rr	RiskMoneyMarketFundMayNotPreserveDollar	Include the statement “Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so.”
x	Risk Money Market Fund May Impose Fees or Suspend Sales [Text]	rr	RiskMoneyMarketFundMayImposeFeesOrSuspendSales	Include the statement “The Fund may impose a fee upon sale of your shares or may temporarily suspend your ability to sell shares if the Fund’s liquidity falls below required minimums because of market conditions or other factors.”
x	Risk Money Market Fund Sponsor May Not Provide Support [Text]	rr	RiskMoneyMarketFundSponsorMayNotProvideSupport	Include the statement “The Fund’s sponsor has no legal obligation to provide financial support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.”
x	Risk Not Insured Depository Institution [Text]	rr	RiskNotInsuredDepositoryInstitution	If the Fund is advised by or sold through an insured depository institution, state that “An investment in the Fund is not a deposit of the bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.”
x	Risk Not Insured [Text]	rr	RiskNotInsured	Include the statement “An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.”

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Risk Caption	rr	RiskCaption	Narrative Risk Disclosure.
	Risk Column [Text]	rr	RiskColumnName	Narrative Risk Disclosure.
x	Risk [Text]	rr	Risk	Narrative Risk Disclosure.
	Bar Chart and Performance Table [Heading]	rr	BarChartAndPerformanceTableHeading	Risk/Return Bar Chart and Table.
	Performance Narrative [Text Block]	rr	PerformanceNarrativeTextBlock	Risk/Return Bar Chart and Table.
x	Performance Information Illustrates Variability of Returns [Text]	rr	PerformanceInformationIllustratesVariabilityOfReturns	Include the bar chart and table required by paragraphs (b)(2)(ii) and (iii) of this section. Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future.
x	Performance One Year or Less [Text]	rr	PerformanceOneYearOrLess	For a Fund that provides annual total returns for only one calendar year or for a Fund that does not include the bar chart because it does not have annual returns for a full calendar year, modify, as appropriate, the narrative explanation required by stating that the information gives some indication of the risks of an investment in the Fund by comparing the Fund's performance with a broad measure of market performance). Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future.
x	Performance Additional Market Index [Text]	rr	PerformanceAdditionalMarketIndex	Include the bar chart and table required by paragraphs (b)(2)(ii) and (iii) of this section. Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
x	Performance Availability Phone [Text]	rr	PerformanceAvailabilityPhone	If applicable, include a statement explaining that updated performance information is available and providing a Web site address and/or toll-free (or collect) telephone number where the updated information may be obtained.
x	Performance Availability Website Address [Text]	rr	PerformanceAvailabilityWebSiteAddress	If applicable, include a statement explaining that updated performance information is available and providing a Website address and/or toll-free (or collect) telephone number where the updated information may be obtained.
x	Performance Past Does Not Indicate Future [Text]	rr	PerformancePastDoesNotIndicateFuture	Include the bar chart and table required by paragraphs (b)(2)(ii) and (iii) of this section. Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future.
	020050 – Schedule – Annual Total Returns Bar Chart Table:	rr-entire rr	BarChartTableAbstract	
	Bar Chart [Heading]	rr	BarChartHeading	Risk/Return Bar Chart and Table.
	Bar Chart Narrative [Text Block]	rr	BarChartNarrativeTextBlock	Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future.
x	Bar Chart Does Not Reflect Sales Loads [Text]	rr	BarChartDoesNotReflectSalesLoads	Include the bar chart and table required by Item 4 (b)(2)(ii) and (iii) of this section. Provide a brief explanation of how the information illustrates the variability of the Fund's returns (e.g., by stating that the information provides some indication of the risks of investing in the Fund by showing changes in the Fund's performance from year to year and by showing how the Fund's average annual returns for 1, 5, and 10 years compare with those of a broad measure of market performance). Provide a statement to the effect that the Fund's past performance (before and after taxes) is not necessarily an indication of how the Fund will perform in the future. Provide annual total returns beginning with the earliest calendar year. Calculate annual returns using the Instructions to Item 8(a), except that the calculations should be based on calendar years. If a Fund's shares are sold subject to a sales load or account fees, state that sales loads or account fees are not reflected in the bar chart and that, if these amounts were reflected, returns would be less than those shown.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Bar Chart Footnotes [Text Block]	rr	BarChartFootnotes TextBlock	Multiple Class Funds.
	Bar Chart Closing [Text Block]	rr	BarChartClosingTextBlock	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
x	Bar Chart, Reason Selected Class Different from Immediately Preceding Period [Text]	rr	BarChartReason SelectedClass DifferentFromImmediately PrecedingPeriod	If the Fund provides annual total returns in the bar chart for a Class that is different from the Class selected for the most immediately preceding period, explain in a footnote to the bar chart the reasons for the selection of a different Class.
x	Bar Chart, Returns for Class Not Offered in Prospectus [Text]	rr	BarChartReturnsFor ClassNotOfferedIn Prospectus	When a Multiple Class Fund offering one or more Classes offers a new Class in a prospectus that does not offer the shares of any other Class, include the bar chart with annual total returns for any other existing Class for the first year that the Class is offered. Explain in a footnote that the returns are for a Class that is not offered in the prospectus that would have substantially similar annual returns because the shares are invested in the same portfolio of securities and the annual returns would differ only to the extent that the Classes do not have the same expenses. Include return information for the other Class reflected in the bar chart in the performance table.
	Year to Date Return, Label	rr	YearToDateReturnLabel	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Bar Chart, Year to Date Return, Date	rr	BarChartYearToDate ReturnDate	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Bar Chart, Year to Date Return	rr	BarChartYearToDateReturn	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Highest Quarterly Return, Label	rr	HighestQuarterlyReturn Label	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Highest Quarterly Return, Date	rr	BarChartHighestQuarterly ReturnDate	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Highest Quarterly Return	rr	BarChartHighestQuarterly Return	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Lowest Quarterly Return, Label	rr	LowestQuarterlyReturn Label	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Lowest Quarterly Return, Date	rr	BarChartLowestQuarterly ReturnDate	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Lowest Quarterly Return	rr	BarChartLowestQuarterly Return	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart.
	Annual Return Caption [Text]	rr	AnnualReturnCaption	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. Provide annual total returns beginning with the earliest calendar year. Calculate annual returns using the Instructions to Item 8(a), except that the calculations should be based on calendar years. If a Fund's shares are sold subject to a sales load or account fees, state that sales loads or account fees are not reflected in the bar chart and that, if these amounts were reflected, returns would be less than those shown. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets). When a Multiple Class Fund offering one or more Classes offers a new Class in a prospectus that does not offer the shares of any other Class, include the bar chart with annual total returns for any other existing Class for the first year that the Class is offered. Explain in a footnote that the returns are for a Class that is not offered in the prospectus that would have substantially similar annual returns because the shares are invested in the same portfolio of securities and the annual returns would differ only to the extent that the Classes do not have the same expenses. Include return information for the other Class reflected in the bar chart in the performance table.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return, Column [Text]	rr	AnnualReturn ColumnName	<p>If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund’s annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund’s registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund’s fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund’s highest and lowest return for a quarter during the 10 years or other period of the bar chart. Provide annual total returns beginning with the earliest calendar year. Calculate annual returns using the Instructions to Item 8(a), except that the calculations should be based on calendar years. If a Fund’s shares are sold subject to a sales load or account fees, state that sales loads or account fees are not reflected in the bar chart and that, if these amounts were reflected, returns would be less than those shown. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets). When a Multiple Class Fund offering one or more Classes offers a new Class in a prospectus that does not offer the shares of any other Class, include the bar chart with annual total returns for any other existing Class for the first year that the Class is offered. Explain in a footnote that the returns are for a Class that is not offered in the prospectus that would have substantially similar annual returns because the shares are invested in the same portfolio of securities and the annual returns would differ only to the extent that the Classes do not have the same expenses. Include return information for the other Class reflected in the bar chart in the performance table.</p>
	Annual Return, Inception Date	rr	AnnualReturn InceptionDate	<p>If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund’s annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund’s registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund’s fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund’s highest and lowest return for a quarter during the 10 years or other period of the bar chart. Provide annual total returns beginning with the earliest calendar year. Calculate annual returns using the Instructions to Item 8(a), except that the calculations should be based on calendar years. If a Fund’s shares are sold subject to a sales load or account fees, state that sales loads or account fees are not reflected in the bar chart and that, if these amounts were reflected, returns would be less than those shown. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets). When a Multiple Class Fund offering one or more Classes offers a new Class in a prospectus that does not offer the shares of any other Class, include the bar chart with annual total returns for any other existing Class for the first year that the Class is offered. Explain in a footnote that the returns are for a Class that is not offered in the prospectus that would have substantially similar annual returns because the shares are invested in the same portfolio of securities and the annual returns would differ only to the extent that the Classes do not have the same expenses. Include return information for the other Class reflected in the bar chart in the performance table.</p>

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 1990	rr	AnnualReturn1990	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1991	rr	AnnualReturn1991	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1992	rr	AnnualReturn1992	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1993	rr	AnnualReturn1993	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 1994	rr	AnnualReturn1994	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1995	rr	AnnualReturn1995	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1996	rr	AnnualReturn1996	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1997	rr	AnnualReturn1997	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 1998	rr	AnnualReturn1998	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 1999	rr	AnnualReturn1999	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2000	rr	AnnualReturn2000	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2001	rr	AnnualReturn2001	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2002	rr	AnnualReturn2002	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2003	rr	AnnualReturn2003	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2004	rr	AnnualReturn2004	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2005	rr	AnnualReturn2005	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2006	rr	AnnualReturn2006	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2007	rr	AnnualReturn2007	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2008	rr	AnnualReturn2008	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2009	rr	AnnualReturn2009	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2010	rr	AnnualReturn2010	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2011	rr	AnnualReturn2011	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2012	rr	AnnualReturn2012	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2013	rr	AnnualReturn2013	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2014	rr	AnnualReturn2014	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2015	rr	AnnualReturn2015	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2016	rr	AnnualReturn2016	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2017	rr	AnnualReturn2017	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2018	rr	AnnualReturn2018	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2019	rr	AnnualReturn2019	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2020	rr	AnnualReturn2020	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2021	rr	AnnualReturn2021	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Annual Return 2022	rr	AnnualReturn2022	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2023	rr	AnnualReturn2023	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2024	rr	AnnualReturn2024	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).
	Annual Return 2025	rr	AnnualReturn2025	If the Fund has annual returns for at least one calendar year, provide a bar chart showing the Fund's annual total returns for each of the last 10 calendar years (or for the life of the Fund if less than 10 years), but only for periods subsequent to the effective date of the Fund's registration statement. Present the corresponding numerical return adjacent to each bar. If the Fund's fiscal year is other than a calendar year, include the year-to-date return information as of the end of the most recent quarter in a footnote to the bar chart. Following the bar chart, disclose the Fund's highest and lowest return for a quarter during the 10 years or other period of the bar chart. When a Multiple Class Fund offers more than one Class in the prospectus, provide annual total returns in the bar chart for only one of those Classes. The Fund can select which Class to include (e.g., the oldest Class, the Class with the greatest net assets).

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Performance Table Heading	rr	PerformanceTableHeading	This item represents Average Annual Total Returns. If a Multiple Class Fund offers a Class in the prospectus that converts into another Class after a stated period, compute average annual total returns in the table by using the returns of the other Class for the period after conversion.
x	Performance Table Does Reflect Sales Loads	rr	PerformanceTableDoes ReflectSalesLoads	If the Fund has annual returns for at least one calendar year, provide a table showing the Fund's (A) average annual total return; (B) average annual total return (after taxes on distributions); and (C) average annual total return (after taxes on distributions and redemption). A Money Market Fund should show only the returns described in clause (A) of the preceding sentence. All returns should be shown for 1-, 5-, and 10- calendar year periods ending on the date of the most recently completed calendar year (or for the life of the Fund, if shorter), but only for periods subsequent to the effective date of the Fund's registration statement. The table also should show the returns of an appropriate broad-based securities market index as defined in Instruction 5 to Item 22(b)(7) for the same periods. A Fund that has been in existence for more than 10 years also may include returns for the life of the Fund. A Money Market Fund may provide the Fund's 7-day yield ending on the date of the most recent calendar year or disclose a toll-free (or collect) telephone number that investors can use to obtain the Fund's current 7-day yield. For a Fund (other than a Money Market Fund or a Fund described in General Instruction C.3.(d)(iii)), provide the information in the following table with the specified captions AVERAGE ANNUAL TOTAL RETURNS (For the periods ended December 31, ____)
x	Performance Table Market Index Changed	rr	PerformanceTableMarket IndexChanged	If the Fund selects an index that is different from the index used in a table for the immediately preceding period, explain the reason(s) for the selection of a different index and provide information for both the newly selected and the former index.
x	Index No Deduction for Fees, Expenses, Taxes [Text]	rr	IndexNoDeductionForFees ExpensesTaxes	The Performance Table includes a parenthetical, indicating that the Index "(reflects no deduction for fees, expenses or taxes)." This tag is used when this is reflected in a footnote.
x	Performance Table Uses Highest Federal Rate	rr	PerformanceTableUses HighestFederalRate	Provide a brief explanation that after-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes.
x	Performance Table Not Relevant to Tax Deferred	rr	PerformanceTableNot RelevantToTaxDeferred	Provide a brief explanation that the actual after-tax returns depend on an investor's tax situation and may differ from those shown, and after-tax returns shown are not relevant to investors who hold their Fund shares through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts.
x	Performance Table One Class of after Tax Shown [Text]	rr	PerformanceTableOne ClassOfAfterTaxShown	Provide a brief explanation that if the Fund is a Multiple Class Fund that offers more than one Class in the prospectus, after-tax returns are shown for only one Class and after-tax returns for other Classes will vary.
x	Performance Table Explanation after Tax Higher	rr	PerformanceTable ExplanationAfterTax Higher	If average annual total return (after taxes on distributions and redemption) is higher than average annual total return, the reason for this result may be explained.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Performance Table Narrative	rr	PerformanceTable NarrativeTextBlock	If the Fund has annual returns for at least one calendar year, provide a table showing the Fund's (A) average annual total return; (B) average annual total return (after taxes on distributions); and (C) average annual total return (after taxes on distributions and redemption). A Money Market Fund should show only the returns described in clause (A) of the preceding sentence. All returns should be shown for 1-, 5-, and 10- calendar year periods ending on the date of the most recently completed calendar year (or for the life of the Fund, if shorter), but only for periods subsequent to the effective date of the Fund's registration statement. The table also should show the returns of an appropriate broad-based securities market index as defined in Instruction 5 to Item 22(b)(7) for the same periods. A Fund that has been in existence for more than 10 years also may include returns for the life of the Fund. A Money Market Fund may provide the Fund's 7-day yield ending on the date of the most recent calendar year or disclose a toll-free (or collect) telephone number that investors can use to obtain the Fund's current 7-day yield. For a Fund (other than a Money Market Fund or a Fund described in General Instruction C.3.(d)(iii)), provide the information in the following table with the specified captions AVERAGE ANNUAL TOTAL RETURNS (For the periods ended December 31, ____). For a Fund that provides annual total returns for only one calendar year or for a Fund that does not include the bar chart because it does not have annual returns for a full calendar year, modify, as appropriate, the narrative explanation required by paragraph (c)(2)(i) (e.g., by stating that the information gives some indication of the risks of an investment in the Fund by comparing the Fund's performance with a broad measure of market performance).
	Performance Table Footnotes	rr	PerformanceTable FootnotesTextBlock	If the Fund has annual returns for at least one calendar year, provide a table showing the Fund's (A) average annual total return; (B) average annual total return (after taxes on distributions); and (C) average annual total return (after taxes on distributions and redemption). A Money Market Fund should show only the returns described in clause (A) of the preceding sentence. All returns should be shown for 1-, 5-, and 10- calendar year periods ending on the date of the most recently completed calendar year (or for the life of the Fund, if shorter), but only for periods subsequent to the effective date of the Fund's registration statement. The table also should show the returns of an appropriate broad-based securities market index as defined in Instruction 5 to Item 22(b)(7) for the same periods. A Fund that has been in existence for more than 10 years also may include returns for the life of the Fund. A Money Market Fund may provide the Fund's 7-day yield ending on the date of the most recent calendar year or disclose a toll-free (or collect) telephone number that investors can use to obtain the Fund's current 7-day yield. For a Fund (other than a Money Market Fund or a Fund described in General Instruction C.3.(d)(iii)), provide the information in the following table with the specified captions AVERAGE ANNUAL TOTAL RETURNS (For the periods ended December 31, ____)

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
x	Performance Table Footnotes, Reason Performance Information for Class Different from Immediately Preceding Period [Text]	rr	PerformanceTableFootnotesReasonPerformanceInformationForClassDifferentFromImmediatelyPrecedingPeriod	This element represents disclosure when presented performance information for a class is different from the class selected for the most immediately preceding period (Form N-1A, Item 2., Instr. 3.(c).(ii).(D)).
	Performance Table Closing [Text Block]	rr	PerformanceTableClosingTextBlock	If the Fund has annual returns for at least one calendar year, provide a table showing the Fund's (A) average annual total return; (B) average annual total return (after taxes on distributions); and (C) average annual total return (after taxes on distributions and redemption). A Money Market Fund should show only the returns described in clause (A) of the preceding sentence. All returns should be shown for 1-, 5-, and 10- calendar year periods ending on the date of the most recently completed calendar year (or for the life of the Fund, if shorter), but only for periods subsequent to the effective date of the Fund's registration statement. The table also should show the returns of an appropriate broad-based securities market index as defined in Instruction 5 to Item 22(b)(7) for the same periods. A Fund that has been in existence for more than 10 years also may include returns for the life of the Fund. A Money Market Fund may provide the Fund's 7-day yield ending on the date of the most recent calendar year or disclose a toll-free (or collect) telephone number that investors can use to obtain the Fund's current 7-day yield. For a Fund (other than a Money Market Fund or a Fund described in General Instruction C.3.(d)(iii)), provide the information in the following table with the specified captions AVERAGE ANNUAL TOTAL RETURNS (For the periods ended December 31, _____)
	020060 – Schedule – Average Annual Total Returns {Transposed} Average Annual Return:	rr-entire rr	AverageAnnualReturnAbstract	
	Average Annual Return, Caption	rr	AverageAnnualReturnCaption	This item represents Average Annual Total Returns. If a Multiple Class Fund offers a Class in the prospectus that converts into another Class after a stated period, compute average annual total returns in the table by using the returns of the other Class for the period after conversion.
	Average Annual Return, Column	rr	AverageAnnualReturnColumnName	This item represents Average Annual Total Returns. If a Multiple Class Fund offers a Class in the prospectus that converts into another Class after a stated period, compute average annual total returns in the table by using the returns of the other Class for the period after conversion.
	Label	rr	AverageAnnualReturnLabel	This item represents Average Annual Total Returns. If a Multiple Class Fund offers a Class in the prospectus that converts into another Class after a stated period, compute average annual total returns in the table by using the returns of the other Class for the period after conversion.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	1 Year	rr	AverageAnnualReturnYear01	Return Before Taxes.
	5 Years	rr	AverageAnnualReturnYear05	Return Before Taxes.
	10 Years	rr	AverageAnnualReturnYear10	Return Before Taxes.
	Since Inception	rr	AverageAnnualReturnSinceInception	Return Before Taxes.
	Inception Date	rr	AverageAnnualReturnInceptionDate	Return Before Taxes.
	Money Market Seven Day Yield, Caption [Text]	rr	MoneyMarketSevenDayYieldCaption	Calculate a Money Market Fund's 7-day yield under Item 21(a); the Fund's average annual total return under Item 21(b)(1); and the Fund's average annual total return (after taxes on distributions) and average annual total return (after taxes on distributions and redemption) under Items 21(b)(2) and (3), respectively.
	Money Market Seven Day Yield Column [Text]	rr	MoneyMarketSevenDayYieldColumnName	Calculate a Money Market Fund's 7-day yield under Item 21(a); the Fund's average annual total return under Item 21(b)(1); and the Fund's average annual total return (after taxes on distributions) and average annual total return (after taxes on distributions and redemption) under Items 21(b)(2) and (3), respectively.
x	Money Market Seven Day Yield Phone	rr	MoneyMarketSevenDayYieldPhone	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
x	Money Market Seven Day Yield	rr	MoneyMarketSevenDayYield	Calculate a Money Market Fund's 7-day yield under Item 21(a); the Fund's average annual total return under Item 21(b)(1); and the Fund's average annual total return (after taxes on distributions) and average annual total return (after taxes on distributions and redemption) under Items 21(b)(2) and (3), respectively.
x	Money Market Seven Day Tax Equivalent Yield	rr	MoneyMarketSevenDayTaxEquivalentYield	Calculate a Money Market Fund's 7-day yield under Item 21(a); the Fund's average annual total return under Item 21(b)(1); and the Fund's average annual total return (after taxes on distributions) and average annual total return (after taxes on distributions and redemption) under Items 21(b)(2) and (3), respectively.

2018 RISK RETURN TAXONOMY ELEMENT / DEFINITION GUIDE

Detail Element	Label	Namespace Prefix	Element Name	Definition
	Thirty Day Yield Caption	rr	ThirtyDayYieldCaption	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
	Thirty Day Yield Column [Text]	rr	ThirtyDayYieldColumnName	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
x	Thirty Day Yield Phone	rr	ThirtyDayYieldPhone	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
x	Thirty Day Yield	rr	ThirtyDayYield	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
x	Thirty Day Tax Equivalent Yield	rr	ThirtyDayTaxEquivalentYield	A Fund (other than a Money Market Fund) may include the Fund's yield calculated under Item 21(b)(2). Any Fund may include its tax-equivalent yield calculated under Item 21. If a Fund's yield is included, provide a toll-free (or collect) telephone number that investors can use to obtain current yield information.
	Supplement to Prospectus [Text Block]	rr	SupplementToProspectus	This element contains the text of a prospectus supplement (submission type 497) not already contained in an element containing amended text or other data from a previous submission.
050005 – Document – Coregistrant				
	Coregistrant [Axis]	rr	CoregistrantAxis	The Coregistrant Axis may be used to distinguish disclosures that belong to registrants having different Central Index Key (CIK) values that nevertheless all present in the same filing.
	Coregistrant [Domain]	rr	CoregistrantDomain	The default member of the Coregistrant axis. It represents any disclosure that applies to the registrant whose Central Index Key (CIK) is that of the default context.

Learn about DFIN's end-to-end risk and compliance solutions.

Visit [DFINsolutions.com](https://dfinsolutions.com) | Call us [+1 800 823 5304](tel:+18008235304)