

Product Reference Guide

for investment advisors

NOT A BANK OR CREDIT UNION DEPOSIT OR OBLIGATION • NOT FDIC, NCUSIF OR NCUA-INSURED • NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY • MAY LOSE VALUE • NOT GUARANTEED BY ANY BANK OR CREDIT UNION • NOT A DEPOSIT

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FEE-BASED FIXED ANNUITY

Advantage 5 Advisory			
Issue ages	0-89 (qualified) 0-89 (non-qualified) 0-75 (inherited IRA) 0-75 (inherited non-qualified)	Early withdrawal charges	5-year declining starting at 9%
		Market value adjustment	Yes
Tax qualifications	<ul style="list-style-type: none"> • 403(b) (Traditional & Roth) • 457(b) • 401(a) • IRA (Traditional, Roth, SEP, SIMPLE, Inherited) • Non-qualified • Inherited non-qualified 	Features	<ul style="list-style-type: none"> • Interest rates are set at the beginning of each term, and are guaranteed for five years • 10% penalty-free withdrawal beginning first contract year • GMSV: 87.5% of purchase payments plus interest credited at a GMSV rate • Extended care and terminal illness waiver riders
Purchase payments	Minimum: \$50,000		

FEE-BASED REGISTERED INDEX-LINKED ANNUITY

Index Achiever Advisory			
Issue ages	0-80 (qualified) 0-80 (non-qualified) 0-75 (inherited IRA) 0-75 (inherited non-qualified)	Features (cont.)	<ul style="list-style-type: none"> • 1-Year 10% Buffer with Upside Participation Rate • 1-Year 10% Buffer with Performance Trigger • 1-Year 10% Buffer with Dual Performance Trigger • 1-Year 20% Buffer with Cap • 1-Year 20% Buffer with Performance Trigger • 1-Year -10% Floor with Cap • 3-Year 10% Buffer with Upside Participation Rate & Cap • 3-Year 20% Buffer with Upside Participation Rate & Cap • 6-Year 10% Buffer with Upside Participation Rate & Cap • 6-Year 20% Buffer with Upside Participation Rate & Cap <i>(6-year strategies only available for terms beginning in first contract year, 3-year strategies only available for terms beginning in first four contract years)</i> • 10% MVA-free withdrawals beginning first contract year • Death benefit is the greater of the account value or purchase payments, less proportional reductions for withdrawals • Extended care and terminal illness waiver riders • Performance lock available on select strategies. For more information and availability by strategy, please refer to the Product Overview.
Tax qualifications	<ul style="list-style-type: none"> • 403(b) (Traditional & Roth) • 457(b) • 401(a) • IRA (Traditional, Roth, SEP, SIMPLE, Inherited) • Non-qualified • Inherited non-qualified 		
Purchase payments	Minimum: \$25,000 Additional purchase payments of at least \$10,000 accepted in first two months of contract		
Early withdrawal charges	There are no early withdrawal charges. A market value adjustment will apply to withdrawals from indexed strategies during the first six contract years.		
Fees	No explicit fees		
Features	<ul style="list-style-type: none"> • Declared rate strategy • Indexed strategies: <ul style="list-style-type: none"> • 1-Year 50% Downside Participation Rate with Upside Participation Rate • 1-Year 10% Buffer with Cap 		

FEE-BASED FIXED-INDEXED ANNUITIES

	Index Protector 4	Index Protector 5 MVA	Index Protector 7
Issue ages	0-90 (qualified) 0-90 (non-qualified) 0-75 (inherited IRA) 0-75 (inherited non-qualified)	0-89 (qualified) 0-89 (non-qualified) 0-75 (inherited IRA) 0-75 (inherited non-qualified)	0-85 (qualified) 0-85 (non-qualified) 0-75 (inherited IRA) 0-75 (inherited non-qualified)
Tax qualifications	<ul style="list-style-type: none"> • 403(b) (Traditional & Roth) • 457(b) 	<ul style="list-style-type: none"> • 401(a) • IRA (Traditional, Roth, SEP, SIMPLE, Inherited) 	<ul style="list-style-type: none"> • Non-qualified • Inherited non-qualified
Purchase payments	Minimum: \$50,000 Additional purchase payments of at least \$25,000 accepted in first two months of contract	Minimum: \$50,000 Additional purchase payments of at least \$25,000 accepted in first two months of contract	Minimum: \$100,000 Additional purchase payments of at least \$25,000 accepted in first two months of contract
Early withdrawal charges	4-year early withdrawal charges of 5.6%	None	7-year declining starting at 7%
Market value adjustment	No	Yes	Yes
Features	<ul style="list-style-type: none"> • Declared rate strategy • Indexed strategies: Point-to-point with cap or participation rate • 10% penalty-free withdrawal beginning first contract year • GMSV: 87.5% of purchase payments at a GMSV rate • Extended care and terminal illness waiver riders 	<ul style="list-style-type: none"> • 1-year and 5-year declared rate strategies • Indexed strategies: Point-to-point with cap, participation rate or cap lock • 10% MVA-free withdrawal beginning first contract year • GMSV: 87.5% of purchase payments at a GMSV rate • Extended care and terminal illness waiver riders 	<ul style="list-style-type: none"> • Return of premium guarantee after third contract year • Declared rate strategy • Indexed strategies: Point-to-point with cap, participation rate or cap lock • 10% penalty-free withdrawal beginning first contract year • GMSV: 87.5% of purchase payments plus interest credited at a GMSV rate • Extended care and terminal illness waiver riders • Optional rider: IncomeDefender

INDEX PROTECTOR 7 RIDER

	IncomeDefender
Issue ages	40-85 (qualified and non-qualified); Income payments may begin at age 55
Current rider charge	0.85% of the income base, deducted from the account value. Subject to change upon reset.
Features	<ul style="list-style-type: none"> • Guaranteed income rider • 8% rollup credit and 7-year income rollup period • Income payments may be taken at any time, if client is age 55 or older • Resets available at first anniversary • Competitive payout percentages that increase 0.10% each year until income start date • Available income options: single lifetime income and joint lifetime income

Registered index-linked annuities can only be sold through a Broker/Dealer that is contracted with MassMutual AscendSM. Any sales solicitation must be accompanied or preceded by a prospectus. To obtain a copy of the prospectus, please visit MassMutualAscend.com/RILArates. Principal Underwriter/Distributor: MM Ascend Life Investor Services, LLC, member FINRA and an affiliate of MassMutual Ascend Life Insurance CompanySM.

Fee-based annuities are intended for distribution by Investment Advisor Representatives engaged in fee-based planning. MassMutual Ascend is not an investment advisor and the information provided in this document is not investment advice.

For additional product features, please see the Product Overview. The contracts remain the sole and exclusive authority for the terms and conditions of each product. In no event shall this guide be deemed to supplement, amend or otherwise alter any terms or conditions of any contract.

Extended care and terminal illness waiver riders not available in all states. Extended care waiver is offered under form numbers R6032410NW, R6032410OR, ICC20-R6032420NW, R6062619NW, R6062619OR and ICC22-R1843722NW. Terminal illness waiver offered under form numbers R6032310NW, R6032310OR, ICC20-R6032320NW, R6062719NW, R6062719OR and ICC22-R1843822NW. Products issued by MassMutual Ascend Life Insurance Company (Cincinnati, Ohio), a wholly owned subsidiary of Massachusetts Mutual Life Insurance Company (MassMutual) under contract form numbers P1110416NW, P1140219NW, P1140119NW, ICC24-P1841624NW and ICC21-P1151621NW and rider form numbers R6036711NW. Form numbers, features and availability may vary by state. Product may not be available in all states.

All guarantees subject to the claims-paying ability of MassMutual Ascend Life Insurance Company.

This content does not apply in the state of New York.

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