

The option classes listed below will begin trading on the MIAX Emerald Options Exchange at the start of trading on **Wednesday, August 23, 2023**. All option classes on MIAX Emerald have an allocation style of Pro-Rata and billing style of Maker-Taker.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	PLMM	Cloud
ACA	ARCOSA INC	ACA	No	NYSE	4:00	Susquehanna Securities	1
AESI	ATLAS ENERGY SOLUTIONS INC	AESI	No	NYSE	4:00	Citadel Securities, LLC	1
APPF	Appfolio Inc	APPF	No	NASDAQ	4:00	Wolverine Trading, LLC	1
AZPN	Aspen Technology, Inc.	AZPN	No	NASDAQ	4:00	Wolverine Trading, LLC	1
BATRA	Atlanta Braves Holdings, Inc. Series A	BATRA	No	NASDAQ	4:00	Wolverine Trading, LLC	2
CMLS	CUMULUS MEDIA, INC.	CMLS	No	NASDAQ	4:00	Wolverine Trading, LLC	2
CNA	CNA FINANCIAL CORPORATION	CNA	No	NYSE	4:00	Susquehanna Securities	2
DFH	DREAM FINDERS HOMES, INC.	DFH	No	NYSE	4:00	Wolverine Trading, LLC	3
ENSG	Ensign Group, Inc.	ENSG	No	NASDAQ	4:00	Wolverine Trading, LLC	3
EPSN	EPSILON ENERGY LTD.	EPSN	No	NASDAQ	4:00	Susquehanna Securities	3
ERIE	Erie Indemnity Company Cl A	ERIE	No	NASDAQ	4:00	Citadel Securities, LLC	3
EXFY	EXPENSIFY, INC.	EXFY	No	NASDAQ	4:00	Susquehanna Securities	3
FFBC	First Financial Bancorp.	FFBC	No	NASDAQ	4:00	Citadel Securities, LLC	3

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					Time		
GLTO	GALECTO, INC.	GLTO	No	NASDAQ	4:00	Susquehanna Securities	4
GRRR	GORILLA TECHNOLOGY GROUP INC.	GRRR	No	NASDAQ	4:00	Citadel Securities, LLC	4
HCCI	Heritage-Crystal Clean, Inc.	HCCI	No	NASDAQ	4:00	Susquehanna Securities	4
HYPR	HYPERFINE INC	HYPR	No	NASDAQ	4:00	Susquehanna Securities	4
LSXMA	Liberty SiriusXM -Series A	LSXMA	No	NASDAQ	4:00	Citadel Securities, LLC	5
LSXMK	Liberty SiriusXM -Series C	LSXMK	No	NASDAQ	4:00	Susquehanna Securities	5
PSTL	POSTAL REALTY TRUST INCCL A	PSTL	No	NYSE	4:00	Citadel Securities, LLC	7
RBC	RBC Bearings Incorporated	RBC	No	NYSE	4:00	Susquehanna Securities	7
RVMD	REVOLUTION MEDICINES, INC.	RVMD	No	NASDAQ	4:00	Citadel Securities, LLC	7
SCM	Stellus Capital Investment Corp	SCM	No	NYSE	4:00	Wolverine Trading, LLC	8
SLRN	ACELYRIN INC	SLRN	No	NASDAQ	4:00	Citadel Securities, LLC	8
TIXT	TELUS INTERNATIONAL CDA, INC.	TIXT	No	NYSE	4:00	Wolverine Trading, LLC	8

Please contact MIA X Options Listings with any questions.

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