



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Monday, June 20, 2016**.

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
ABCO	The Advisory Board Company	ABCO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ACIW	ACI Worldwide, Inc.	ACIW	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ADRO	Aduro BioTech, Inc.	ADRO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	1
AEL	American Equity Investment Life Holding Company	AEL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
AGRO	Adecoagro S.A.	AGRO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
AIV	Apartment Investment and Management Company	AIV	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	1
AKG	Asanko Gold Inc.	AKG	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Morgan Stanley	1
ALDR	Alder Biopharmaceuticals Inc.	ALDR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	1
ALRM	Alarm.Com Holdings, Inc.	ALRM	\$2.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
AMCN	AirMedia Group Inc.	AMCN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ANIP	ANI Pharmaceuticals, Inc.	ANIP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	1



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AOSL	Alpha & Omega Semiconductor, Ltd.	AOSL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	1
APEI	American Public Education, Inc.	APEI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ASGN	On Assignment Inc.	ASGN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	1
ATR	AptarGroup, Inc.	ATR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	1
AWH	Allied World Assurance Company Holdings, AG	AWH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	1
BABY	Natus Medical Inc.	BABY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	2
BAH	Booz Allen Hamilton Holding Corporation	BAH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	2
BAM	Brookfield Asset Management Inc.	BAM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2
BANC	Banc of California, Inc.	BANC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2
BAP	Credicorp Ltd.	BAP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2
BBSI	Barrett Business Services Inc.	BBSI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	2
BETR	Amplify Snack Brands, Inc.	BETR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	2
BHBK	Blue Hills Bancorp, Inc.	BHBK	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	2
BKEP	Blueknight Energy Partners, L.P.	BKEP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	2



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BOJA	Bojangles', Inc.	BOJA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	2
BOOT	Boot Barn Holdings, Inc.	BOOT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	2
BPI	Bridgepoint Education, Inc.	BPI	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	2
BZUN	Baozun Inc.	BZUN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	2
CARA	Cara Therapeutics Inc.	CARA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CBK	Christopher & Banks Corporation	CBK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CBPO	China Biologic Products, Inc.	CBPO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CBT	Cabot Corporation	CBT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3
CCLP	CSI Compressco LP	CCLP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CINF	Cincinnati Financial Corp.	CINF	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Barclays Capital Inc.	3
CLC	CLARCOR Inc.	CLC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	3
CLUB	Town Sports International Holdings Inc.	CLUB	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CORE	Core-Mark Holding Company, Inc.	CORE	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	3



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CPG	Crescent Point Energy Corp.	CPG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CPGX	Columbia Pipeline Group, Inc.	CPGX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3
CPPL	Columbia Pipeline Partners LP	CPPL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CPXX	Celator Pharmaceuticals, Inc.	CPXX	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CSGS	CSG Systems International Inc.	CSGS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CSII	Cardiovascular Systems Inc.	CSII	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	3
CVT	Cvent, Inc.	CVT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	3
CWST	Casella Waste Systems Inc.	CWST	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CXRX	Concordia Healthcare Corp.	CXRX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	3
CYB	WisdomTree Chinese Yuan Strategy ETF	CYB	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	3
DLNG	Dynagas LNG Partners LP	DLNG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	4
DRIP	Direxion Dly S&P Oil&Gs Ex&Prd Br 3X ETF	DRIP	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Morgan Stanley	4
DSKY	iDreamSky Technology Limited	DSKY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	4
DST	DST Systems Inc.	DST	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	4



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EBS	Emergent BioSolutions, Inc.	EBS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EEV	ProShares UltraShort MSCI Emerging Mkts	EEV	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	5
EFX	Equifax Inc.	EFX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EMC	EMC Corporation	EMC	\$1.00	STO	Yes	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	5
EPR	EPR Properties	EPR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EQY	Equity One Inc.	EQY	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	5
ESS	Essex Property Trust Inc.	ESS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EVER	EverBank Financial Corp.	EVER	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	5
EWP	iShares MSCI Spain Capped	EWP	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Citadel Securities, LLC	5
EWS	iShares MSCI Singapore	EWS	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	5
EYES	Second Sight Medical Products, Inc.	EYES	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	5
FBC	Flagstar Bancorp Inc.	FBC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	6
FICO	Fair Isaac Corporation	FICO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	6
FMER	FirstMerit Corporation	FMER	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	6



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FOE	Ferro Corporation	FOE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
FOR	Forestar Group Inc.	FOR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
FSM	Fortuna Silver Mines Inc.	FSM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
FTD	FTD Companies, Inc.	FTD	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	6
GB	Greatbatch, Inc.	GB	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	7
GBT	Global Blood Therapeutics, Inc.	GBT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	7
GCAP	GAIN Capital Holdings, Inc.	GCAP	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	7
GLAD	Gladstone Capital Corporation	GLAD	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	7
GLP	Global Partners LP	GLP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	7
GNRT	Gener8 Maritime Inc.	GNRT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	7
GPI	Group 1 Automotive Inc.	GPI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	7
GUSH	Direxion Dly S&P Oil&Gs Ex&Prd BI 3X ETF	GUSH	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	7
GVA	Granite Construction Incorporated	GVA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	7
HBHC	Hancock Holding Company	HBHC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	8



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HDNG	Hardinge Inc.	HDNG	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	8
HEP	Holly Energy Partners L.P	HEP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	8
HHC	The Howard Hughes Corporation	HHC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	8
HLTH	Nobilis Health Corp.	HLTH	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Wolverine Trading, LLC	8
HR	Healthcare Realty Trust Incorporated	HR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	8
HRG	HRG Group, Inc.	HRG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	8
HRTG	Heritage Insurance Holdings, Inc.	HRTG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	8
HSC	Harsco Corporation	HSC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	8
HTCH	Hutchinson Technology Inc.	HTCH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	8
HUBS	HubSpot, Inc.	HUBS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	8
IDI	IDI, Inc.	IDI	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Citadel Securities, LLC	9
IDXX	IDEXX Laboratories, Inc.	IDXX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	9
IFF	International Flavors & Fragrances Inc.	IFF	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	9
IGV	iShares North American Tech-Software	IGV	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	9



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IILG	Interval Leisure Group, Inc.	IILG	\$1.00	STO	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	9
IMH	Impac Mortgage Holdings Inc.	IMH	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Morgan Stanley	9
JLL	Jones Lang LaSalle Incorporated	JLL	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	10
KBWB	PowerShares KBW Bank ETF	KBWB	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	10
KEP	Korea Electric Power Corp.	KEP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	10
KOLD	ProShares UltraShort Bloomberg Natrl Gas	KOLD	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	10
KONA	Kona Grill Inc.	KONA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	10
KRC	Kilroy Realty Corp.	KRC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	10
KYN	Kayne Anderson MLP Investment Company	KYN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	10
KZ	KongZhong Corporation	KZ	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	10
LQD	iShares iBoxx \$ Invst Grade Crp Bond	LQD	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Goldman Sachs	11
LVNTA	Liberty Ventures	LVNTA	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	11
MANU	Manchester United plc	MANU	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	12
MORE	Monogram Residential Trust, Inc.	MORE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	12



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MOV	Movado Group, Inc.	MOV	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	12
MTSI	M/A-Com Technology Solutions Holdings, Inc.	MTSI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	12
NHC	National HealthCare Corporation	NHC	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Susquehanna Securities	13
NHI	National Health Investors Inc.	NHI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	13
NPO	EnPro Industries, Inc.	NPO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	13
NSP	Insperity, Inc.	NSP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Barclays Capital Inc.	13
NSU	Nevsun Resources Ltd.	NSU	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Wolverine Trading, LLC	13
NTP	Nam Tai Property Inc.	NTP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	13
NVCR	NovoCure Limited	NVCR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	13
NWS	News Corporation	NWS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	13
NX	Quanex Building Products Corporation	NX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	13
NYMX	Nymox Pharmaceutical Corporation	NYMX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	13
OCLR	Oclaro, Inc.	OCLR	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	14
OCUL	Ocular Therapeutix, Inc.	OCUL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	14



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OLLI	Ollie's Bargain Outlet Holdings, Inc.	OLLI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	14
PFSW	PFSweb Inc.	PFSW	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	14
PGF	PowerShares Financial Preferred ETF	PGF	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	14
PGTI	PGT, Inc.	PGTI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	14
PHG	Koninklijke Philips N.V	PHG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	14
PJT	PJT Partners Inc.	PJT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	14
PLOW	Douglas Dynamics, Inc.	PLOW	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	14
PMTS	CPI Card Group, Inc.	PMTS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	14
PNW	Pinnacle West Capital Corporation	PNW	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	14
PRGS	Progress Software Corporation	PRGS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	14
PRIM	Primoris Services Corporation	PRIM	\$2.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	14
PSQ	ProShares Short QQQ	PSQ	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	14
RATE	Bankrate, Inc.	RATE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	15
RBA	Ritchie Bros. Auctioneers, Incorporated	RBA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	15



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RIC	Richmont Mines Inc.	RIC	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Wolverine Trading, LLC	15
RSTI	Rofin-Sinar Technologies Inc.	RSTI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	15
RUTH	Ruth's Hospitality Group Inc.	RUTH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	15
RWR	SPDR Dow Jones REIT ETF	RWR	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	15
SALT	Scorpio Bulkers Inc.	SALT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SCLN	SciClone Pharmaceuticals, Inc.	SCLN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	16
SERV	ServiceMaster Global Holdings, Inc.	SERV	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	16
SF	Stifel Financial Corp.	SF	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	16
SHOO	Steven Madden, Ltd.	SHOO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	16
SHY	iShares 1-3 Year Treasury Bond	SHY	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Citadel Securities, LLC	16
SIVR	ETFS Physical Silver	SIVR	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Morgan Stanley	16
SLGN	Silgan Holdings Inc.	SLGN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Barclays Capital Inc.	16
SNAK	Inventure Foods, Inc.	SNAK	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	16
SNOW	Intrawest Resorts Holdings, Inc.	SNOW	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	16



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SNR	New Senior Investment Group Inc.	SNR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	16
SON	Sonoco Products Co.	SON	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SOYB	Teucrium Soybean ETF	SOYB	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	16
SPB	Spectrum Brands Holdings, Inc.	SPB	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	16
SRC	Spirit Realty Capital, Inc.	SRC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SSI	Stage Stores Inc.	SSI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	16
SSNC	SS&C Technologies Holdings, Inc.	SSNC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	16
STAG	STAG Industrial, Inc.	STAG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	16
SUP	Superior Industries International, Inc.	SUP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	16
TDS	Telephone & Data Systems Inc.	TDS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	17
TEAM	Atlassian Corporation Plc	TEAM	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	17
TLN	Talen Energy Corporation	TLN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	17
TLP	Transmontaigne Partners L.P.	TLP	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	17
TMST	TimkenSteel Corporation	TMST	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	17



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TRCO	Tribune Media Company	TRCO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	17
TRI	Thomson Reuters Corporation	TRI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	17
TRMK	Trustmark Corporation	TRMK	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	17
TRU	TransUnion	TRU	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	17
TRXC	TransEnterix, Inc.	TRXC	\$0.50, \$1.00	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Susquehanna Securities	17
TTC	The Toro Company	TTC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	17
TTNP	Titan Pharmaceuticals Inc.	TTNP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	17
UBIO	ProShares UltraPro Nasdaq Biotechnology	UBIO	Idx Link	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	18
UGA	United States Gasoline	UGA	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	18
URTY	ProShares UltraPro Russell2000	URTY	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Susquehanna Securities	18
USAT	USA Technologies Inc.	USAT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	18
USCR	U.S. Concrete, Inc.	USCR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	18
USMV	iShares MSCI USA Minimum Volatility	USMV	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Wolverine Trading, LLC	18
UUUU	Energy Fuels Inc.	UUUU	Standard	Standard	No	Pro-Rata	Conventional	NYSE MRKT	4:00	Wolverine Trading, LLC	18



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
VASC	Vascular Solutions Inc.	VASC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	19
VCEL	Vericel Corporation	VCEL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	19
VCYT	Veracyte, Inc.	VCYT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	19
VIG	Vanguard Dividend Appreciation ETF	VIG	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Morgan Stanley	19
VSTO	Vista Outdoor Inc.	VSTO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	19
VYM	Vanguard High Dividend Yield ETF	VYM	Idx Link	Standard	No	Pro-Rata	Conventional	NYSEArca	4:00	Morgan Stanley	19
WAIR	Wesco Aircraft Holdings, Inc.	WAIR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	19
WATT	Energous Corporation	WATT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	19
WBC	WABCO Holdings Inc.	WBC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	19
WCN	Waste Connections Inc.	WCN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	19
WING	Wingstop Inc.	WING	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	19
WSBF	Waterstone Financial, Inc.	WSBF	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	19
WTR	Aqua America Inc.	WTR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	19
YPF	YPF S.A.	YPF	\$1.00	STO	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	20



Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
ZEUS	Olympic Steel Inc.	ZEUS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	21

Please contact MIAX Options Listings with any questions.

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