

Minnesota Approved Anchor List

Revision Date:

Minute Man Anchors Inc.		305 West King Street, East Flat Rock, NC 28726	Scott Moreno
MFG ID	Product #	Description	Information
CM1005	MMA	Strap Seal	Split Bolt
CM1005	MMA-55	Anchor and Stabilizer 3/4" x 50" w/2 - 4" helixes	Soil type 2,3,4
CM1005	MMA CAF	Concrete Anchor Flange (use w/MMA LLBS)	
CM1005	MMA LFT1	Longitudinal Flex Tube for LLBS Anchor System	Use appropriate length Flex Tube for pier block height.
CM1005	MMA LFT2	60 Inch Lateral Flex Tube for concrete used with LLBS-99 1/2	For use with MMA LLBS-99 1/2 Designed for a maximum of 99-1/2 inch I-Beam frame spacing.
CM1005	MMA LFT3	72 Inch Lateral Flex Tube for concrete.	For use with LLBS-112 designed for a maximum of 112 inch I-Beam frame spacing
CM1005	MMA LLBS-112	Designed for frames in excess of 99 1/2 inch I-Beam Spacing, and a maximum of 112 inch I-Beam spacing.	Frost protected footings required. Minimum 1000 PSF(Class 4A) or higher soils are required. Use MMA LFT3 (72" Lateral Flex Tube).
CM1005	MMA LLBS-99 1/2	Longitudinal and Lateral Bracing System designed for a Maximum of 99 1/2 I-Beam spacing.	Frost protected footings are required. 1000 PSF (Class4A) or higher soils are required. Use MMA LFT2 (60" Lateral Flex Tube)
CM1005	MMA SD3	Steel Pier Pan (use w/MMA LLBS)	Frost Free Footings are required
CM1005	MMA14	5/8" x 8" L Rod - Double Head	Wet Concrete Anchor
CM1005	MMA-14S	5/8" x 6" L Rod - Double Head	Wet Concrete Anchor (Short)
CM1005	MMA16	5/8" x 28" Threaded rod Double Head Expanding	Rock
CM1005	MMA18	TH-DH-S (Specific Concrete Slab Requirements for use)	Drilled into Hardened Concrete
CM1005	MMA2	5/8" x 48" w/6" Helix Double Head 650 DH S	Soil Types 2,3,4
CM1005	MMA23	Roof Bracket	
CM1005	MMA33	Locking Frame Clamp w/ strap	
CM1005	MMA4	3/4" x 48" w/6" Helix Double Head 650H-DH-S	Soil Types 2,3,4
CM1005	MMA42	5/8" x 8" J-Rod - Double Head Model No 210 JDH	Wet Concrete Anchor
CM1005	MMA-42S	5/8" x 6" J Rod - Double Head	Wet Concrete Anchor (short)
CM1005	MMA57/C4	7/8" x 34"rodw/4"&6"helix NU cap	Soil Types 2,3,4 (Not for use in frost susceptible soils) 34" Requires a Minnesota Engineered design.
CM1005	MMA6	3/4" x 30" w/2-4" Helix Double Head 4430 DH-S	Soil Types 2,3 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.
CM1005	MMA650EZ	MMA96 - 48" Anchor	Soil Types 1,2,3
CM1005	MMA75	60" Double 3/4"rod	Soil Type 2
CM1005	MMA92	3/4" x 30" w/2-4" helix & stbzg cap EZ 4430-DH 3/4	Soil Types 2,3 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.
CM1005	MMA94	3/4" x 34" w/6" helix & stbzg cap EZ 636-DH 3/4	Soil Types 2,3 (Not for use in frost susceptible soils) 34" Requires a Minnesota Engineered design.
CM1005	MMA96	Model MMA650EZ	
CM1005	MMA-SD2	12" Stabilizer Plate	
CM1005	MMA-SEALS		
CM1005	MMP10	10" Pier	
CM1005	MMP12	12" Pier	
CM1005	MMP14	14" Pier	
CM1005	MMP16	16" Pier	
CM1005	MMP18	18" Pier	
CM1005	MMP20	20" Pier	
CM1005	MMP22	22" Pier	
CM1005	MMP24	24" Pier	
CM1005	MMP26	26" Pier	
CM1005	MMP28	28" Pier	
CM1005	MMP30	30" Pier	
CM1005	MMP6	6" Pier	
CM1005	MMP8	8" Pier	
CM1005	NC1	Stabilizer Cap for MMA6 and MMA57	
CM1005	SBN	Galvanized Strapping	1-1/4 x .035

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Tie Down Engineering		5901 Wheaton Drive, Alanta, GA. 30336	Knute Chauncey
MFG ID	Product #	Description	Information
CM1014	48608	6 ft Concrete Anchor Strut	For Xi2 System
CM1014	48609	5 ft Concrete Anchor Strut	For Xi2 System
CM1014	59002	Frame Connector	
CM1014	59003	3" Hook used with 59002	
CM1014	59004	4" Hook used with 59002	
CM1014	59005	8" Hook used with 59002	
CM1014	59006	Vector, DS blocks, poured concrete	
CM1014	59008	Vector SS blocks, poured concrete	
CM1014	59009	Angle frame connector bracket used with 59002	
CM1014	59011	Longitudinal beam clamp	
CM1014	59012	39 inch longitudinal strut	For LDS System
CM1014	59013	44 inch longitudinal Strut	For LDS System
CM1014	59016	30 inch longitudinal Strut	For LDS System
CM1014	59018	Vector System 2000	Frost free footings are required
CM1014	59023	Longitudinal hardware kit for concrete	Use with 59006/59049 & 59008/59036
CM1014	59024	Vector hardware kit for 59271	
CM1014	59026	LSD hardware kit for 59271	
CM1014	59027	Xi2 Concrete Hardware kit (Dry)	2 per Box
CM1014	59036	Single Block Concrete System	Assembly 59008 with straps & Bolts
CM1014	59049	Double Block Concrete System	Assembly 59006 with straps & Bolts
CM1014	59080 / M12H5/8	Anchor 5/8" x 47" rod w/6" helix	Soil Type 2,3,4
CM1014	59085 / M12H3/4	Anchor 3/4" x 47" rod w/6" helix	Soil Type 2,3,4
CM1014	59086	Anchor 3/4"x48" anchor w/stabilizer plate	class 2a,2b,3soil
CM1014	59090 / MI22 5/8	Anchor 5/8" x 30" rod w/2-4" helix	Soil Type 2,3,4 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.
CM1014	59095 / MI22 3/4	Anchor 3/4" x 30" rod w/2-4" helix	Soil Type 2,3,4 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.
CM1014	59097 / MI 60	Anchor 3/4" x 60 inch w/two 4' helix's	Painted
CM1014	59099 / M607	Anchor 3/4" x 60" w/7" helix	Galvanized
CM1014	59100 / MIDH	Tension Head	
CM1014	59109 & 59120 MI	Anchor 5/8" x 12 L anchor fixed or swivel hd	Slab anchor
CM1014	59111 / MRA	Cross Drive Anchor	Must be installed in solid rock within 1 inch below the anchor base, or Verified CLASS 1 SOIL = 4000 PSF Minimum
CM1014	59120	Anchor 5/8 x 12 L Anchor fixed or swivel hd	Slab Anchor
CM1014	59123 / MIJ2	Anchor - J-Rod Concrete 8 " anchor w/swivel head	
CM1014	59125 / MICS2	Anchor - Concrete Anchor	
CM1014	59128 / MI42 3/4	Anchor 3/4" x 42" w/2-4" helix	Painted
CM1014	59135 / BISB	Tension Bolt	
CM1014	59147 / MIJ2	Anchor - J-Rod Concrete 8 " anchor w/swivel head	
CM1014			
CM1014	59150 / MS35	1 1/4" Galvanized Strapping 35' 0"	1 1/4" Galvanized Strapping 35' 0"
CM1014	59155 / MS37	1 1/4" Galvanized Strapping 37' 0"	1 1/4" Galvanized Strapping 37' 0"
CM1014	59163	Xi2 Concrete Longitudinal Hardware Kit	1 per Bag
CM1014	59165 / MS60	1 1/4" Galvanized Strapping 60' 0"	
CM1014	59170 / MS600	1 1/4" Galvanized Strapping	
CM1014	59263	Xi2 Concrete Longitudinal Hardware Kit	2 per Box
CM1014	59285	Painted 17 1/2" Stabilizer Plate	class 2,3,4 soil
CM1014	59286	Galvanized 17 1/2 " Stabilizer Plate	class 2,3,4 soil
CM1014	59291	Stabilizer Plate	
CM1014	59292	Anchor Stabilizer Plate	
CM1014	59300	ABS Foundation Pads	2 sq ft
CM1014	59301	ABS Foundation Pads	2.5. Sq ft
CM1014	59302	ABS Foundation Pads	3 sq ft
CM1014	59303	ABS Foundation Pads	4 sq ft
CM1014	59307	Xi2 Concrete System with dry set bracket	Hardware and Lateral Strut
CM1014	59327	Xi2 Concrete Hardware kit (Dry)	1 per Bag
CM1014	59328	Xi2 Concrete System with wet set bracket	Hardware and Lateral Strut
CM1014	59335	Xi2 Concrete Hardware kit (Wet)	1 per Bag
CM1014	59347	7 ft Concrete Anchor Strut	For Xi2 System
CM1014	59361	Adjustable Outriggers 14 " for 14 Wide See MFG Home see MFG Home Instructions	Replaces perimeter support @ openings < 4ft
CM1014	59362	Adjustable Outriggers 36 " for 16 Wide See MFG Home see MFG Home Instructions	Replaces perimeter support @ openings < 4ft
CM1014	59725	Swivel head connector 59002 & 5 ft strap 59150	Assembly
CM1014	59726	Swivel head connector 59002 & 6ft strap 59150	Assembly
CM1014	59727	Swivel head connector 59002 & 7ft strap 59150	Assembly
CM1014	59728	Swivel head connector 59002 & 8ft strap 59150	Assembly
CM1014	59730	Swivel head connector 59002 & 10ft strap 59150	Assembly
CM1014	59732	Swivel head connector 59002 & 12ft strap 59150	Assembly
CM1014	59736	Swivel head connector 59002 & 16ft strap 59150	Assembly
CM1014	59999	4 Bolt Longitudinal Beam Clamp	Swivel connector must be installed with this clamp. See Tie Down instruction for maximum installation angles.
CM1014	VDFS	Vector Dynamics Foundation Systems	Frost free footings are required

Imperial Stamping Company			4801 Middlebury St. Elkhart, IN 46516	Robert I Chidister
MFG ID	Product #	Description	Information	
CM1003	MHA33	Frame Buckle		
CM1003	MHA35	Roof Bracket		
CM1003	MHA37	Strapping		
CM1003	MHA38	Strapping		
CM1003	MHA39L	Strapping		
CM1003	MHA-S/B	Split Bolt		
CM1003	MHASB10	3/4" x 48" w 2-4" Helix	Soil Types 2,3,4	
CM1003	MHASB12	3/4" x 30" w 2-4" Helix	Soil Types 2,3 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.	
CM1003	MHASB20	Solid Eye Adaptor	Connector	
CM1003	MHASB21	Patio Anchor	Slab	
CM1003	MHASB22	Patio Anchor	Slab	
CM1003	MHASB24	Threaded Cement Anchor	Slab	
CM1003	MHASB26	Hook Anchor	Slab	
CM1003	MHASB3	11/16" x 48" w/6" Helix	Soil Types 2,3,4	
CM1003	MHASB4	5/8" x 48" w/6" Helix	Soil Types 2,3,4	
CM1003	MHASB6	5/8" x 30" w/2-4" Helix	Soil Types 2,3 (Not for use in frost susceptible soils) 30" Requires a Minnesota Engineered design.	
CM1003	MHASB8	3/4" x 48" w/6" Helix	Soil Types 2,3,4	
Style Crest Products			PO Box 690 Fremont OH. 43420	
MFG ID			Product #	
Description			Information	
CM1015	1-1/4" .035	Galvanized Strapping		
CM1015	30DH	3/4" x 29" rod w/2-4" helix	Soil Type 2 (Not for use in frost susceptible soils) Requires a Minnesota Engineered design.	
CM1015	30DHC2 w/ASSD	3/4" x 29" rod w/2-4" helix and stabilizing plate	Soil Type 2 (Not for use in frost susceptible soils) Requires a Minnesota Engineered design.	
CM1015	3646C234 w/4823	3/4" x 34" rd w/6" & 4" helix and stabilizing plate	Soil Type 2,3(Not for use in frost susceptible soils) Requires a Minnesota Engineered design.	
CM1015	36DH	3/4" x 34" rod w/ 6" helix	Soil Type 2,3(Not for use in frost susceptible soils) Requires a Minnesota Engineered design.	
CM1015	36SH	3/4" x34" rod w/ 6" helix	Soil Type 2,3(Not for use in frost susceptible soils) Requires a Minnesota Engineered design.	
CM1015	481500	Bolt on frame connector		
CM1015	481600	Bolt on frame connector		
CM1015	48-CD-8	J hook	Slab	
CM1015	48SH	3/4" x 46" rod w/ 6" helix	Soil Types 2,3,4	
CM1015	DTH HEADw/HN5	Double Head w/ expanding bolt	Slab	
CM1015	M12H 3/4 w/59292	3/4" x 47" rod w/6" helix and stabilizing plate	Soil Types 2,3,4	
CM1015	M12H 5/8 w/59292	5/8" x 47" rod w/6" helix and stabilizing plate	Soil Types 2,3,4	
Manufactured Housing			562 Glenheather Drive, San Marcos, CA. 92069	
MFG ID			Product #	
Description			Information	
CM1016	1055-11	Adjustable Outrigger	Same as Oliver Technologies Inc	
CM1016	1055-16	ABS Pads		
CM1016	1055-17	ABS Pads		
CM1016	1055-7	ABS Pads		
CM1016	4148-4	ABS Pads		
CM1016	4148-5	ABS Pads		
CM1016	SPA 264-1	ABS Pads		
C & R Pier			275 South Rancho Ave, Colton, CA 92324	
MFG ID			Product #	
Description			Information	
CM1017	18 1/2 x 18 1/2 Ab			
CM1017	CRP-MJCP-PFS-1	Pier Stand	Rated Capacity 6000 lbs	
CM1017	PCI3852-2	Pier Stand	Rated Capacity 6000 lbs	
CM1017	PCI3852-6	Pier Stand	Rated Capacity 6000 lbs	
CM1017	PCI3852-9	Pier Stand	Rated Capacity 6000 lbs	
Safety Support Systems Inc.			2122 Ella Ct. Grand Junction, CO. 81505	
MFG ID			Product #	
Description			Information	
CM1019	Big Foot	Support Stand	22" Maximum Height	
JM Products Inc.			680 County Road 1025 East Toledo, IL 62468	
MFG ID			Product #	
Description			Information	
CM1019	Big Foot	Support Stand	22" Maximum Height	
Oliver Technologies Inc.			PO Box 58 467 Swan Ave, Hohenwald, TN 38462	
MFG ID			Product #	
Description			Information	
CM1021	1055-11	Adjustable Outrigger	Same as supplier CM1016 PN 1055-11	

Goliath Tech		8840 Xylite Street NE, Blane, MN 55449	Jeff Prebil
MFG ID	Product #	Description	Information
7 foot Piles			
1511-00014	GTPI 17808	Screw Pile of 1 7/8 with a 8" Helix	
1511-00014	GTPI 23809	Screw Pile of 2 3/8 with a 9" Helix	
1511-00014	GTPI 23811	Screw Pile of 2 3/8 with a 11" Helix	
1511-00014	GTPI 23813	Screw Pile of 2 3/8 with a 13" Helix	
1511-00014	GTPI 23817	Screw Pile of 2 3/8 with a 17" Helix	
1511-00014	GTPI 27811	Screw Pile of 2 7/8 with a 11" Helix	
1511-00014	GTPI 27813	Screw Pile of 2 7/8 with a 13" Helix	
1511-00014	GTPI 27817	Screw Pile of 2 7/8 with a 17" Helix	
1511-00014	GTPI 31211	Screw Pile of 3 1/2 with a 11" Helix	
1511-00014	GTPI 31213	Screw Pile of 3 1/2 with a 13" Helix	
1511-00014	GTPI 31217	Screw Pile of 3 1/2 with a 17" Helix	
1511-00014	GTPI 41215	Screw Pile of 4 1/2 with a 15" Helix	
1511-00014	GTPI 41217	Screw Pile of 4 1/2 with a 17" Helix	
1511-00014	GTPI 412091113	Tripple Helix Screw of 4 1/2 with a 9", 11" and 13" Helix	
1511-00014	GTPI 591617	Screw Pile of 5 9/16 with a 17" Helix	
1511-00014	GTPI 5916131517	Tripple Helix Screw of 5 9/16 with a 13", 15" and 17" Helix	
Pile Extensions and Extension Bolts			
1511-00014	GTEX 1783	3 foot Extension for 1 7/8" Pile	
1511-00014	GTEX 2383	3 foot Extension for 2 3/8" Pile	
1511-00014	GTEX 2783	3 foot Extension for 2 7/8" Pile	
1511-00014	GTEX 3123	3 foot Extension for 3 1/2" Pile	
1511-00014	GTEX 4123	3 foot Extension for 4 1/2" Pile	
1511-00014	GTEX 59163	3 foot Extension for 5 9/16" Pile	
1511-00014	GTEX 1787	7 foot Extension for 1 7/8" Pile	
1511-00014	GTEX 2387	7 foot Extension for 2 3/8" Pile	
1511-00014	GTEX 2787	7 foot Extension for 2 7/8" Pile	
1511-00014	GTEX 3127	7 foot Extension for 3 1/2" Pile	
1511-00014	GTEX 4127	7 foot Extension for 4 1/2" Pile	
1511-00014	GTEX 59167	7 foot Extension for 5 9/16" Pile	
1511-00014	GTEX BOLT178	Bolt Kit (2 bolts and 2 nuts) for 1 7/8 Extensions	
1511-00014	GTEX BOLT238	Bolt Kit (2 bolts and 2 nuts) for 2 3/8 Extensions	
1511-00014	GTEX BOLT278	Bolt Kit (2 bolts and 2 nuts) for 2 7/8 Extensions	
1511-00014	GTEX BOLT312	Bolt Kit (2 bolts and 2 nuts) for 3 1/2 Extensions	
1511-00014	GTEX BOLT412	Bolt Kit (3 bolts and 3 nuts) for 4 1/2 Extensions	
1511-00014	GTEX BOLT5916	Bolt Kit (3 bolts and 3 nuts) for 5 9/16 Extensions	
Pile Head Locking Bolt			
1511-00014	GTBOLT	Locking Bolt for all pile heads	
Pile Head Base			
1511-00014	GTBASE178	Adjustable Hex Piles Base 1 7/8	
1511-00014	GTBASE238	Adjustable Hex Piles Base 2 3/8	
1511-00014	GTBASE278	Adjustable Hex Piles Base 2 7/8	
1511-00014	GTBASE312	Adjustable Hex Piles Base 3 1/2	
Attachment Fittings (For I-Beams)			
1511-00014	GTOPIBEAM4	Flat 7"x 4" Plate 3/8 inch thick on 1" Threaded Rod	For 4" I Beam
1511-00014	GTOPIBEAM6	Flat 9"x 5" Plate 3/8 inch thick on 1" Threaded Rod	For 6" I Beam
1511-00014	GTOPIBEAM8	Flat 11"x 5" Plate 3/8 inch thick on 1" Threaded Rod	For 8" I Beam
1511-00014	GTOPIBEAM468	Flat 12"x 5" Plate 3/8 inch thick on 1" Threaded Rod	For 4", 6", and 8" I Beam
1511-00014	GTOPIBEAM1012	Flat 16"x 8" Plate 3/8 inch thick on 1" Threaded Rod	For 10 and 12" I Beam
Perferated Adjustable Length Extension Kits			
1511-00014	GTPERFEXTKIT178	24" Perferated Extension Kit for 1 7/8 piles	
1511-00014	GTPERFEXTKIT238	Perferated Extension Kit for 2 3/8 piles	
1511-00014	GTPERFEXTKIT278	Perferated Extension Kit for 2 7/8 piles	
1511-00014	GTPERFEXTKIT312	Perferated Extension Kit for 3 1/2 piles	
1511-00014	GTPERFEXTKIT412	Perferated Extension Kit for 4 1/2 piles	
1511-00014	GTPERFEXTKIT916	Perferated Extension Kit for 5 9/16 piles	
Height Adjustable Heads on 1" threaded Rod Flat Plate			Bot Bolt Through Steel Beams
1511-00014	GTBRDPL5	Flat 5" Plate 1/4 inch thick on 1" Threaded Rod	
1511-00014	GTBRDPL5OFF	Offset Flat 5" Plate 1/4 inch thick on 1" Threaded Rod	
1511-00014	GTBRDPL8	Flat 8" Plate 3/8 inch thick on 1" Threaded Rod	
1511-00014	GTBRDPL8OFF	Offset Flat 8" Plate 3/8 inch thick on 1" Threaded Rod	
Structural Fixed Heads (Non adjustable)			Bolt Down to Steel I Beams
1511-00014	GTBRST178	5" 1/4" Plate Fixed Structural non adjustable Head for 1 7/8" Pile	
1511-00014	GTBRST238	5" 1/4" Plate Fixed Structural non adjustable Head for 2 3/8" Pile	
1511-00014	GTBRST278	5" 1/4" Plate Fixed Structural non adjustable Head for 2 7/8" Pile	
1511-00014	GTBRST278938	9" 3/8" Plate Fixed Structural non adjustable Head for 2 7/8" Pile	
1511-00014	GTBRST278938	5 1/2" 3/8" Plate Fixed Structural non adjustable Head for 3 1/2" Pile	
1511-00014	GTBRST3129X9	9" 3/8" Plate Fixed Structural non adjustable Head for 3 1/2" Pile	
1511-00014	GTBRST4129X9	9" 3/8" Fixed Structural non adjustable Head for 4 1/2" Pile	
1511-00014	GTBRST59169X9	9" 3/8" Fixed Structural non adjustable Head for 5 9/16" Pile	
Star Heads for Lateral Support			Installs in ground over Pile
1511-00014	GTSTAR178	Lateral Star Support for 1 7/8" Pile	
1511-00014	GTSTAR238	Lateral Star Support for 2 3/8" Pile	
1511-00014	GTSTAR278	Lateral Star Support for 2 7/8" Pile	
1511-00014	GTSTAR312	Lateral Star Support for 3 1/2" Pile	
1511-00014	GTSTAR412	Lateral Star Support for 4 1/2" Pile	
1511-00014	GTSTAR5916	Lateral Star Support for 5 9/16" Pile	