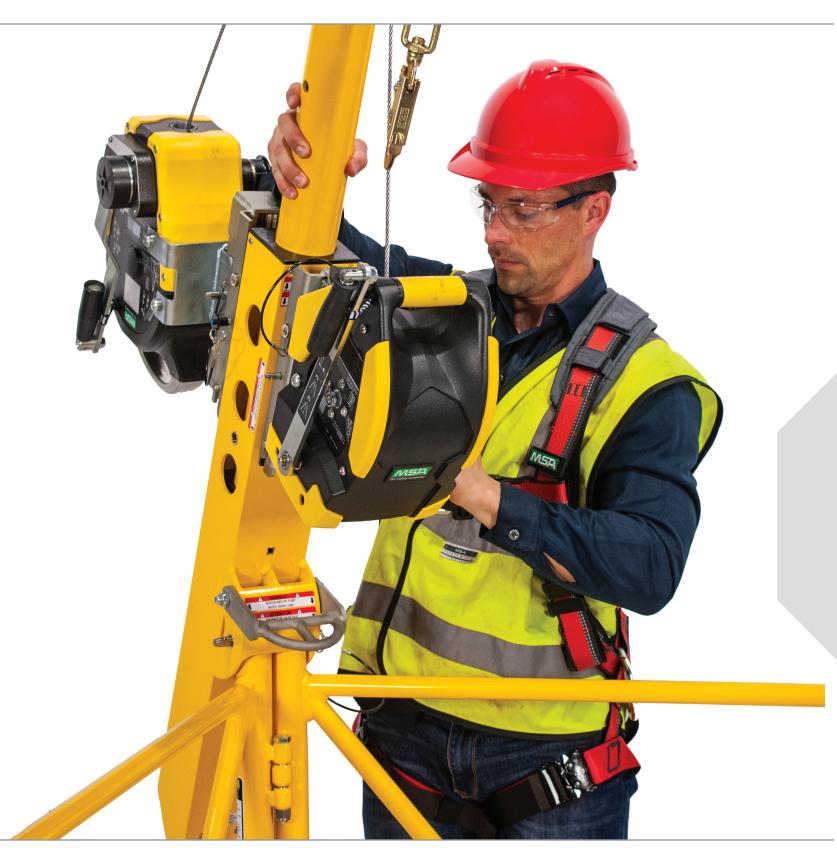
MSA Confined Space Entry Equipment





Because every life has a **purpose...**

MSA XTIRPA Manhole Guard System

Use for confined space vertical entry and fall protection when portable base is needed.

Manhole Guard systems are portable anchorage connectors used for vertical entry into confined spaces. The Manhole Guard with Integrated Mast barricades exposed entry points while providing the necessary strength needed for fall protection, entry, and retrieval applications. The Davit Arm and Manhole Guard with Integrated Mast interface allows for reduced material surrounding the confined space entry, thus reducing the presence of trip and fall hazards.

Weight Capacity

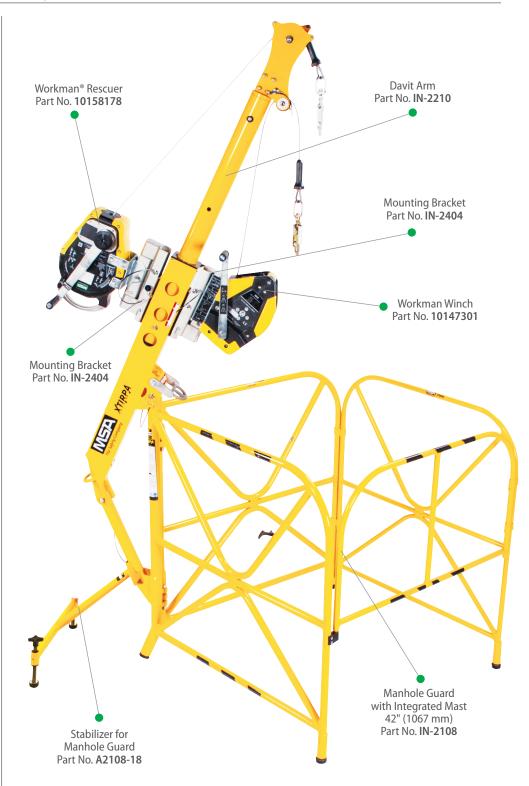
400 lb (181 kg) as pictured with Workman Rescuer and Workman Winch

Required System Components

- Davit Arm IN-2210
- Manhole Guard with
 Integrated Mast IN-2108
 OR

Large Manhole Guard with Integrated Mast IN-2324

 Rescuer SRL such as 10158178 and corresponding attachment bracket such as IN-2404

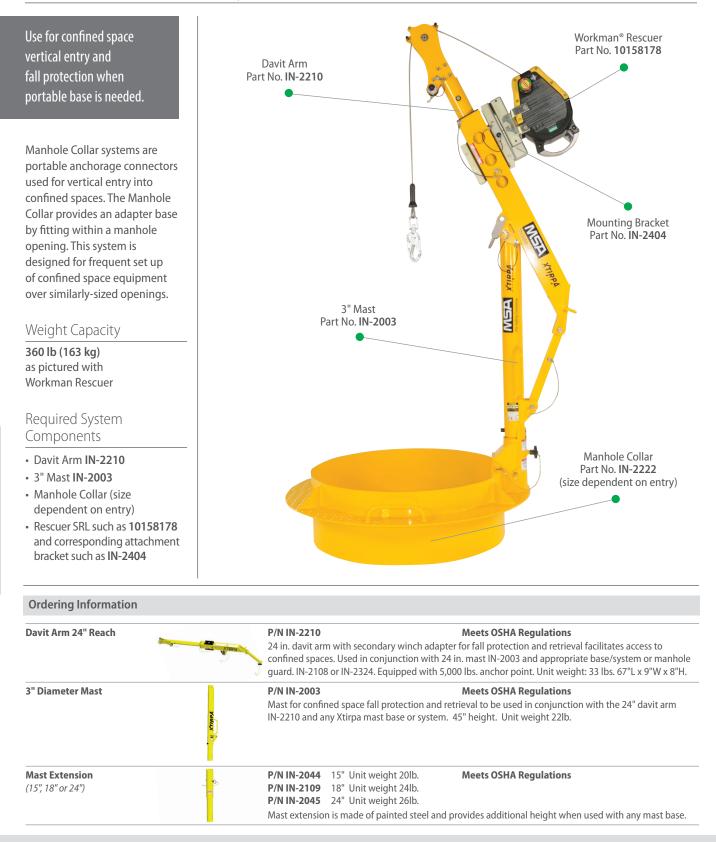




Ordering Information

Davit Arm 24" Reach		P/N IN-2210	Meets OSHA Regulations winch adapter for fall protection and retrieval facilitates access to
	TITER	confined spaces. Used in conju	inction with 24 in. mast IN-2003 and appropriate base/system or manhole pped with 5,000 lbs. anchor point. Unit weight: 33 lbs. 67"L x 9"W x 8"H.
Manhole Guard Integrated Mast 42"			Meets OSHA Regulations Itegrated mast that is used in conjunction with a 24 in. davit arm for nd retrieval. Comes with adjustable feet for simple leveling of system. W x 38"D.
Large Manhole Guard Integrated Mast 42"			Meets OSHA Regulations with integrated mast that is used in conjunction with the 24 in. davit arm in and retrieval. Comes with adjustable feet for simple leveling of system. V x 52"D.
Multifunctional Barricade 4 Side			table manhole guard allows worker to assemble additional sections to ise with portable manhole guard IN-2108 or IN-2324. Unit weight: Each H x 38"W x 38"D.
Multifunctional Barricade 1 Side			portable manhole guard allows worker to assemble additional sections as area. 42 in. height x 38 in. width x 38 in. deep. For use with portable 324. Unit weight: 7 lbs.
Kick Plate for Manhole Guard and Barricade			e manhole guard to help prevent objects at foot level from entering < 1/16"W (thickness). Unit Weight: 4 lbs.
Stabilizer for Manhole Guard 42"			l portable manhole guards. For use with self- retracting lanyards over 50 ft. . May be used with other winching mechanisms: either material-handling Unit Weight: 10 lbs.
Stabilizer with Wheels for Manhole Guard 42"	Q. Al		Portable manhole guard with wheels. For use with self-retracting d stability of system. Wheels allow for ease of movement without t: 13 lbs.
Workman Rescuer	Ŵ	P/N 10158178 Fast, easy and intuitive fall prot cable, 50' (16m). Unit Weight: 3	Standards: ANSI Z359.14, OSHA ection with an integral bi-directional retrieval capability. Stainless steel 4 lbs.
Workman Winch			Standards: ANSI Z359.14, OSHA for personnel, 620 lbs for materials. Includes integral RFID technology and ok. Stainless steel cable, 65' (20m). Unit Weight: 30 lbs.
Mounting Bracket (Workman)		P/N IN-2404 Mounting bracket for Workmar	Meets OSHA Regulations Rescuer and Workman Winch.
Dynevac II		P/N 10007782 Fast, easy and intuitive fall prot Stainless steel cable, 50' (16m).	Standards: CSA Z259.2.2, OSHA action with an integral bi-directional retrieval capability.
Mounting Bracket (Dynavac II)		P/N IN-2391 Mounting bracket for Dynevac	Meets OSHA Regulations

MSA XTIRPA Manhole Collar System





shorter clearance is needed. Low clearance mast and davit arm is 36" tall. Manhole Collar (sizes are for diameter) PNI N2227 Fits 16-18" PNI N2228 Fits 18-20" PNI N2229 Fits 20-22" PNI N2221 Fits 20-27 PNI N2221 Fits 20-28" PNI N2223 Fits 20-28" PNI N2224 Fits 20-28" PNI N2223 Fits 20-28" PNI N2223 Fits 20-28" PNI N2224 Fits 20-28" PNI N2224 Fits 20-28" PNI N2223 Fits 20-28" PNI N2224 Fits 20-28" PNI N2224 Fits 20-28" PNI N2223 Fits 20-28" PNI N2224 Fits 20-28" PNI N2225 Fits 20-28" PNI N2225 Fits 20-28" PNI N2224 Fits 20-28" PNI N224 PNI N	Meets OSHA Regulations	P/N IN-2295 18" read	st/Davit Arm	
shorter clearance is needed. Low clearance mast and davit arm is 36" tall. Manhole Collar (sizes are for diameter) P/N W2287 Fits 16-18" P/N W2229 Fits 20-27 P/N W2229 Fits 20-28 P/N W2217 Fits 20-28 P/N W2228 Fits 40 and fail for use with mast IN-2003 to provide easier entrance/exit from confined 3 pace entry point. Ladder Adapter P/N W2229 Fits 40 and Fits 40 any manhole collar and provides a mechanism to secure a lac Cannot be used with core shaped safety ring IN-2009. Product comes with necessary hardw2 P/N IN-224 Protitioning Seat P/N 10158178 Fats easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cabe, sy of 16m/. P/N 1017201 Staindards: KNS I2359, 14, OSHA Fast, easy and intuitive fall protection with a		E Contraction of the second seco	" or 9" reach)	
(sizes are for diameter) PN IN 2219 Fits 3-20° PN IN 2220 Fits 20-27 PN IN 2221 Fits 20-27 PN IN 2221 Fits 20-27 PN IN 2222 Fits 30-32° PN IN 2222 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2223 Fits 30-32° PN IN 2200 To anahole. Cone Shaped Safety Ring PN IN 2000 Cone shaped safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Wanhole Collar Seat PN IN 2009 Cone shaped safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Hand Rail Attachment PN IN 2227-105 Ladder Adapter For Mast PN IN 2224 Adaptable hand rail for use with mast IN-2003 to provide sailer entrance/exit from confined such with recessary hardwa Positioning Seat PN IN 2224 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to with cashes to any manhole collar and provides a mechanism to secure a lat cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwa Point IN351278 Standards: ANSI Z359.14, OSHA <td< td=""><td colspan="3">Low clearance integrated mast and davit arm for use in any of the 24" davit arm adapter bases whe shorter clearance is needed. Low clearance mast and davit arm is 36" tall.</td></td<>	Low clearance integrated mast and davit arm for use in any of the 24" davit arm adapter bases whe shorter clearance is needed. Low clearance mast and davit arm is 36" tall.			
Prill N-2220 Fits 20-22" Prill N-2221 Fits 22-24" Prill N-2217 Fits 24-26" Prill N-2217 Fits 34-36" Prill N-2223 Fits 33-36" Prill N-2223 Fits 33-36" Prill N-2235 Fits 33-36" Prill N-2235 Fits 33-36" Prill N-2236 Fits 33-36" Prill N-2237 Fits 33-36" Prill N-2236 Fits 34-36" Prill N-2237 Fits 34-36" Prill N-2036 Retaining fitig used to secure cone shaped safety ring IN-2009 to manhole. Cone Shaped Safety Ring Prill N-2016 Seat can be attached to any manhole collar for added comfort when entering or working on a space ntry point. Hand Rail Attachment Prill N-2236 For Manhole Collar Prill N-2236 Positioning Seat Prill N-2246 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to will cone shaped safety ring IN-2009. Product comes with necesary hardwore safe allows for comfortable entrance/exit of confined spaces. Seat attaches to will cone shaped safety ring IN-2009. Product comes with necesary hardwore safe allows for comfortable entrance/exit of confined spaces. Seat attaches to will cone shaped safety ring IN-2009. Product comes with necesary hardwore safe allows for comfortable entrance/exit of	Meets OSHA Regulations			
PXIN-221 Fits 22-24" PXIN-222 Fits 24-26" PXIN-2225 Fits 32-30" PXIN-2225 Fits 34-36" PXIN-2224 Fits 34-36" PXIN-2225 Fits 34-36" PXIN-2224 Fits 34-36" PXIN-2225 Fits 34-36" PXIN-2205 Fits 32-34" PXIN-2225 Fits 34-36" PXIN-2207 Fits 34-36" PXIN-2207 Fits 34-36" PXIN-2010 Retaining fing used to secure cone shaped safety ring IN-2009 to manhole. Cone shaped safing safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. PXIN-2227 Sata Can be attached to any manhole collar for added comfort when entering or working on space entry point. Hand Rail Attachment PXIN-2227 DYN AND 2227 Sata Can be attached to any manhole collar and provides a mechanism to secure a lat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardw Poxitioning Seat PXIN 2227-05 Ladder Adapter PXIN 2224 Poxitioning Seat PXIN 10158178 Standards: ANSI Z359.14, OSHA Fast, assy and intuitive fail protection with an integral bi directional retrieval capability. Stain cable, 50 (16m). <td></td> <td></td> <td>tes are for diameter)</td>			tes are for diameter)	
P/N IN-2222 Fits 30-32" P/N IN-2213 Fits 33-30" P/N IN-2213 Fits 33-30" P/N IN-2213 Fits 33-30" P/N IN-2214 Fits 33-30" P/N IN-2214 Fits 33-30" P/N IN-2212 Fits 33-30" Provides portable adapter base for confined space system by fitting within manhole opening P/N IN-2010 Retaining King used to secure cone shaped safety ring IN-2009 to manhole. Cone Shaped Safety Ring P/N IN-2009 Cone shaped safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Manhole Collar Seat P/N N.2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. P/N IN-2282 Adaptable hand rail for use with mast IN-2003 to provide sailer entrance/exit from confined 3 unit weight: 5.5 lb. Ladder Adapter P/N N-2214 Positioning Seat P/N 101/S117 Standards: ANSI Z359.14, OSHA Workman Rescuer P/N 101/S117 Standards: ANSI Z359.14, OSHA Mounting Bracket P/N 101/S115 Standards: ANSI Z359.14, OSHA Mounting Bracket P/N 101/S10 Standards: ANSI Z359.14, OSHA				
PN IN-2218 Fits 28-30° PN IN-2218 Fits 33-32° PN IN-2223 Fits 33-36° Provides portable adapter base for confined space system by fitting within manhole opening Wanhole Retaining Ring P/N IN-200 Cone Shaped Safety Ring P/N IN-209 Cone shaped sealing safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Wanhole Collar Seat P/N IN-2214 P/N IN-2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. Hand Rail Attachment P/N IN-2224 P/N A2217-05 Ladder adapter th point. Ladder Adapter P/N A2217-05 Ladder adapter for Mast P/N IN-2244 Positioning Seat P/N IN-2244 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to with cone shaped safety ring IN-2009. Product comes with necessary hardware cable, 50° (16m). Workman Rescuer P/N 10157178 Standards: ANSI 2359.14, OSHA Maimum work load of 4000 lbs for personnel, 620 lbs for materials, Includes integral BFID tect self-locking swiel 36C snaphook. Stainless steel cable, 65° (20m). Workman Winch P/N 1017301 Standards: ANSI 2359.14, OSHA Maximum work load of 4000 lbs f				
P/N IN-2223 Fits 32-34" P/N IN-2224 Fits 32-36" Provides portable adapter base for confined space system by fitting within manhole opening Manhole Retaining Ring P/N IN-2010 Retaining Ring P/N IN-2009 Cone Shaped Safety Ring P/N IN-2009 Cone shaped sealing safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Manhole Collar Seat P/N 2212 r-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. Hand Rail Attachment P/N N-2212 Kor Mast P/N N-2212 Adaptable hand rall for use with mast IN-2003 to provide easier entrance/exit from confined : Unit weight 5.5 lb. Ladder Adapter P/N N2217-05 Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardw. P/N NN-2244 P/N NN-2245 Adaptable fand rall for use with mast IN-2003 to provide easier entrance/exit for onfined spaces. Seat attaches to with cone shaped safety ring IN-2009. Product comes with necessary hardw. P/N NN-2244 P/N NN-2244 Positioning Seat P/N 10158178 Standards: ANSI 2359.14, OSHA Fast, easy and i				
P/N IN-2224 Fits 34-36" Provides portable adapter base for confined space system by fitting within manhole opening Manhole Retaining Ring P/N IN-2010 Retaining Ring used to secure cone shaped safety ring IN-2009 to manhole. Cone Shaped Safety Ring P/N IN-2009 Cone Shaped Safety Ring P/N NN-2009 Cone shaped sealing safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. Wanhole Collar Seat P/N A2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. Hand Rail Attachment P/N NN-2282 Adder Adapter P/N NN-2282 For Mast P/N A2217-05 Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a la cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwore connot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwore positioning Seat P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intruitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainles				
Provides portable adapter base for confined space system by fitting within manhole opening PAININ-2010 Retaining Ring PAININ-2009 Cone Shaped Safety Ring PAININ-2009 Cone Shaped Safety Ring PAININ-2009 Cone shaped safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. PIN N2009 Cone shaped safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. PIN A2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. PIN N2282 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined s Unit weight 5.5 lb. Ladder Adapter for Manhole Collar PIN N2217-05 Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwa PIN N2244 PON N1N-2244 PON N1N-2244 PON N1N-2244 PON N1N-2246 PIN N1N-2246 PIN N1N-2247 PIN N1N-2247 PIN N1N-2247 PIN N1N-2248 Morkman Rescuer PIN N10158178 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral PIID ted self-locking switel 36C snaphook. Stainless steel cable, 65° (20m). Mounting Bracket (Workman) PIN N1-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN ND-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II PIN Dynevac II PIN Dynevac II PIN Dynevac II PIN Dynevac II P				
Cone Shaped Safety Ring P/N IN-2009 Cone Shaped Safety Ring P/N IN-2009 Cone Shaped Safety Ring Cone Shaped Safety ring used in conjunction with retaining ring IN-2010 to prevent licentering confined space. Wanhole Collar Seat P/N A2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. P/N IN-2282 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined 3 Unit weight 5.5 lb. Ladder Adapter P/N A2217-05 Ladder adapter Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardware allows for comfortable entrance/exit of confined spaces. Seat attaches to wit Positioning Seat P/N 10158178 Standards: ANSI Z359.14, OSHA Workman Rescuer P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral BFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Workman) P/N 101007782 Standards: CS Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain less steel cable, 50' (16m). Standards: CS Z259.2.2, OSHA	e for confined space system by fitting within man			
Cone shaped sealing safety ring used in conjunction with retaining ring IN-2010 to prevent lie entering confined space. P/N A2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. P/N IN-282 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined s Unit weight 5.5 lb. P/N A2217-05 Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lac Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwa Positioning Seat Workman Rescuer Workman Winch P/N 10158178 Standards: ANSI 2359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50° (16m). P/N 1017801 Standards: ANSI 2359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65° (20m). P/N 10007782 Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50° (16m). P/N 10007782 Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50° (16m). P/N 10007782 Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50° (16m).			nhole Retaining Ring	
Manhole Collar Seat P/N A2217-10 Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. Hand Rail Attachment for Mast P/N N22282 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined suit weight 5.5 lb. Ladder Adapter for Manhole Collar P/N A2217-05 Ladder Adapter for Manhole Collar P/N N2224 Positioning Seat P/N IN-2244 Positioning seat P/N 10158178 Standards: ANSI Z359-14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359-14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket P/N 10007782 Standards: CSA Z259-2,2, OSHA Fast, easy and intuitive fail protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Standards: CSA Z259-2,2, OSHA		P/N IN-2009	Cone Shaped Safety Ring	
Seat can be attached to any manhole collar for added comfort when entering or working on a space entry point. Hand Rail Attachment for Mast P/N IN-2282 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined s Unit weight 5.5 lb. Ladder Adapter for Manhole Collar P/N A2217-05 Ladder adapter for Manhole Collar P/N NIN-2244 Positioning Seat P/N 10158178 Standards: ANSI Z359.14, OSHA Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket (Workman) P/N 101-244 Mounting Bracket (Workman) P/N 1017810 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket for Workman Rescuer and Workman Winch. P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain less steel cable, 50' (16m). Mounting Bracket (Workman) P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection	g used in conjunction with retaining ring IN-2010			
space entry point. Hand Rail Attachment for Mast Image: Construct the image: Construct			Manhole Collar Seat	
for Mast Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined sunt weight 5.5 lb. Ladder Adapter for Manhole Collar P/N A2217-05 Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwat Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwat Positioning Seat Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket (Workman) P/N 101-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II P/N 10007782 Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).	annole collar for added comfort when entering of			
Ladder Adapter P/N A2217-05 Ladder Adapter Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a lac Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwa Positioning Seat V/N IN-2244 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to wil Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket P/N 10007782 YIN 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).		P/N IN-2282	Hand Rail Attachment	
Ladder Adapter for Manhole Collar P/N A2217-05 Ladder adapter for Manhole Collar and provides a mechanism to secure a lac Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwat Positioning Seat P/N IN-2244 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to with compared to the sead with cone shaped safety ring IN-2009. Product comes with necessary hardwat Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).	Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined space.			
for Manhole Collar Image: Collar				
Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardwa Positioning Seat P/N IN-2244 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to with cone shaped safety ring IN-2009. Product comes with necessary hardwa Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket P/N IN-2404 Mounting bracket II P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).				
Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to wind Workman Rescuer P/N 10158178 Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50° (16m). Standards: ANSI Z359.14, OSHA Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65° (20m). Mounting Bracket (Workman) P/N 10-2404 Mounting bracket for Workman Rescuer and Workman Winch. Dynevac II P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).	Ladder adapter that attaches to any manhole collar and provides a mechanism to secure a ladder. Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardware.			
Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket (Workman) P/N IN-2404 Meets OSHA Regulations Mounting bracket II P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m). Standards: CSA Z259.2.2, OSHA	P/N IN-2244 Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to winch cable.		sitioning Seat	
Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stain cable, 50' (16m). Workman Winch P/N 10147301 Standards: ANSI Z359.14, OSHA Maximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID tecl self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m). Mounting Bracket (Workman) P/N IN-2404 Meets OSHA Regulations Mounting bracket II P/N 10007782 Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m). Standards: CSA Z259.2.2, OSHA				
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	t arm s a man -2010 exit fr h nec exit fr h nec Seat a k, OSI es inte	A de mast and davit arm for use in any of the 24" davit ded. Low clearance mast and davit arm is 36" tall. 18" Meets OSHA Regulations 20" 22" 24" 26" 28" 30" 32" 34" 36" ter base for confined space system by fitting within secure cone shaped safety ring IN-2009 to manhole fety ring used in conjunction with retaining ring IN- e. any manhole collar for added comfort when entering use with mast IN-2003 to provide easier entrance/en- aches to any manhole collar and provides a mechar me shaped safety ring IN-2009. Product comes with for comfortable entrance/exit of confined spaces. S Standards: ANSI Z359.14 fall protection with an integral bi-directional retriev Standards: ANSI Z359.14 400 lbs for personnel, 620 lbs for materials. Include snaphook. Stainless steel cable, 65" (20m). Meets OSHA Regulations forkman Rescuer and Workman Winch. Standards: CSA Z259.2.2 fall protection with an integral bi-directional retriev Meets OSHA Regulations forkman Rescuer and Workman Winch.	P/N IN-2363 9" reach Low clearance integrated mast and davit arm for use in any of the 24" davit shorter clearance is needed. Low clearance mast and davit arm is 36" tall. P/N IN-2219 Fits 16–18" P/N IN-2210 Fits 12–20" P/N IN-2211 Fits 22–24" P/N IN-2212 Fits 22–24" P/N IN-2211 Fits 22–34" P/N IN-2212 Fits 22–34" P/N IN-2213 Fits 23–30" P/N IN-2224 Fits 32–32" P/N IN-2214 Fits 32–30" P/N IN-2215 Fits 32–30" P/N IN-2216 Fits 32–30" P/N IN-2223 Fits 32–30" P/N IN-2214 Fits 34–36" Provides portable adapter base for confined space system by fitting within O P/N IN-2009 Cone shaped sealing safety ring used in conjunction with retaining ring IN entring confined space. P/N IN-2209 Cone shaped sealing safety ring used in conjunction with retaining ring IN entring space entry point. P/N IN-2209 Cone shaped sealing safety ring used in conjunction with retaining ring IN entring space entry point. P/N IN-2204 P/N IN-2204 Adaptable hand rail for use with mast IN-2003 to provide easier entrance/e Unit weight 5.5 lb.	

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MSA XTIRPA Pole Hoist System

Use for confined space vertical/horizontal entry and fall protection when portable base is needed.

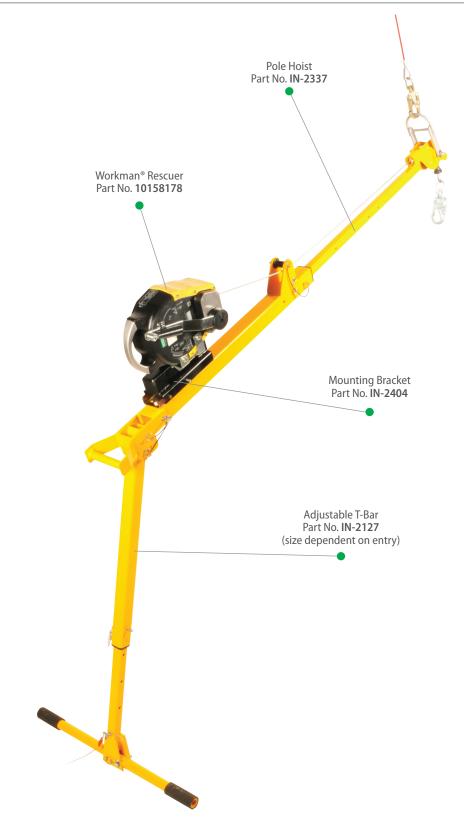
Pole Hoist systems are portable anchorage connectors used for vertical and horizontal entry into confined spaces. When attached to an anchor point, the Pole Hoist provides retrieval and fall protection when limited overhead clearance is present. The Pole Hoist can also be configured for horizontal entry applications such as lifting, lowering, and fall protection.

Weight Capacity

360 lb (163 kg) as pictured with Workman Rescuer

Required System Components

- 48"-72" Pole Hoist **IN-2337** or 57"-102" Pole Hoist **IN-2338**
- Adjustable T-Bar (size dependent on entry)
- Anchorage Connector
- Rescuer SRL such as 10158178 and corresponding attachment bracket such as IN-2404





Ordering Information

Pole Hoist (48–78" or 57–102")	4	P/N IN-2337 48–78" Meets OSHA Regulations P/N IN-2338 57–102"	
48-78 0r57-102)		 Print IN-2338 57–102 Pole hoist system with swivel head for vertical and horizontal retrieval and fall arrest. Extends with two fixed angles. Use with certified anchor point. Purchase adjustable T-bar leg separately. 	
Adjustable T-Bar (48", 47–75" or 12–14")		P/N IN-2127 48" Meets OSHA Regulations P/N IN-2256 47–75" P/N IN-2274 12–14" Adjustable T-bar attaches to adjustable swivel head pole hoist IN-2337 or IN-2338 for base stability of pole hoist system. Extends to specific lengths.	
Flange Adapter for Lateral Entry		P/N IN-2242Meets OSHA RegulationsAnchor point for vertical and horizontal entry with pole hoist system. Can be used on round or square flange that can support 5000lbs as an anchor point. Flange includes a snaphook. Exisiting studs of the structure needed for attachment.	
Universal Ring Adapter		P/N IN-2087Meets OSHA RegulationsUniversal ring adapter for use on ceiling or wall with pole hoist system. Use horizontally or vertically.Bolts not included.	
Jib Adapter for Lateral Entry	A	P/N IN-2241 Meets OSHA Regulations The jib adapter is positioned outside of confined space entry points to allow lateral entry. The jib adapter is typically used with tanks when walls are too thin for an anchor point. Can be a certified anchor point when anchored at the base. Height adjusts from 88.9" to 109.2".	
Workman Rescuer		P/N 10158178Standards: ANSI Z359.14, OSHAFast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).	
Workman Winch	Î	P/N 10147301Standards: ANSI Z359.14, OSHAMaximum work load of 400 lbs for personnel, 620 lbs for materials. Includes integral RFID technology and self-locking swivel 36C snaphook. Stainless steel cable, 65' (20m).	
Mounting Bracket (Workman)	I.	P/N IN-2404 Meets OSHA Regulations Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac II		P/N 10007782Standards: CSA Z259.2.2, OSHAFast, easy and intuitive fall protection with an integral bi-directional retrieval capability.Stainless steel cable, 50' (16m).	
Mounting Bracket (Dynavac II)		P/N IN-2391 Meets OSHA Regulations Mounting bracket for Dynevac II Image: Comparison of the second	



Manhole Cover Lifter

Ratchet Manhole	P/N IN-2071
Cover Lifter	Ratchet manhole cover lifter offers an ergonomically safe way to lift lids with less strain. Lightweight and durable. Measures 53" in height. Non-skidding tempered steel pegs, includes medium hook. Three hool sizes available. Unit Weight: 20 lbs.
Square J Hook	P/N P2071-021P Square J hook used with ratchet manhole cover lifter IN-2071.
Medium Square Hook	P/N P2071-022P Medium square hook used with ratchet manhole cover lifter IN-2071.
Large J Hook	P/N P2071-023P Large J hook used with ratchet manhole cover lifter IN-2071.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information 9001 CERTIFIED

concerning proper use and care of these products.

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MSA – The Safety Company

1000 Cranberry Woods Drive Cranberry Township, PA 16066 USA Phone 724-776-8600 www.MSAsafety.com

U.S. Customer Service Center

1-800-MSA-2222 Phone 1-800-967-0398 Fax

MSA Canada 1-800-672-2222 Phone Fax 1-800-967-0398

MSA Mexico 01 800 672 7222 Phone 52 - 44 2227 3943 Fax
 MSA International

 Phone
 724-776-8626

 Toll Free
 1-800-672-7777

Fax 724-741-1553 www.MSA**safety**.com