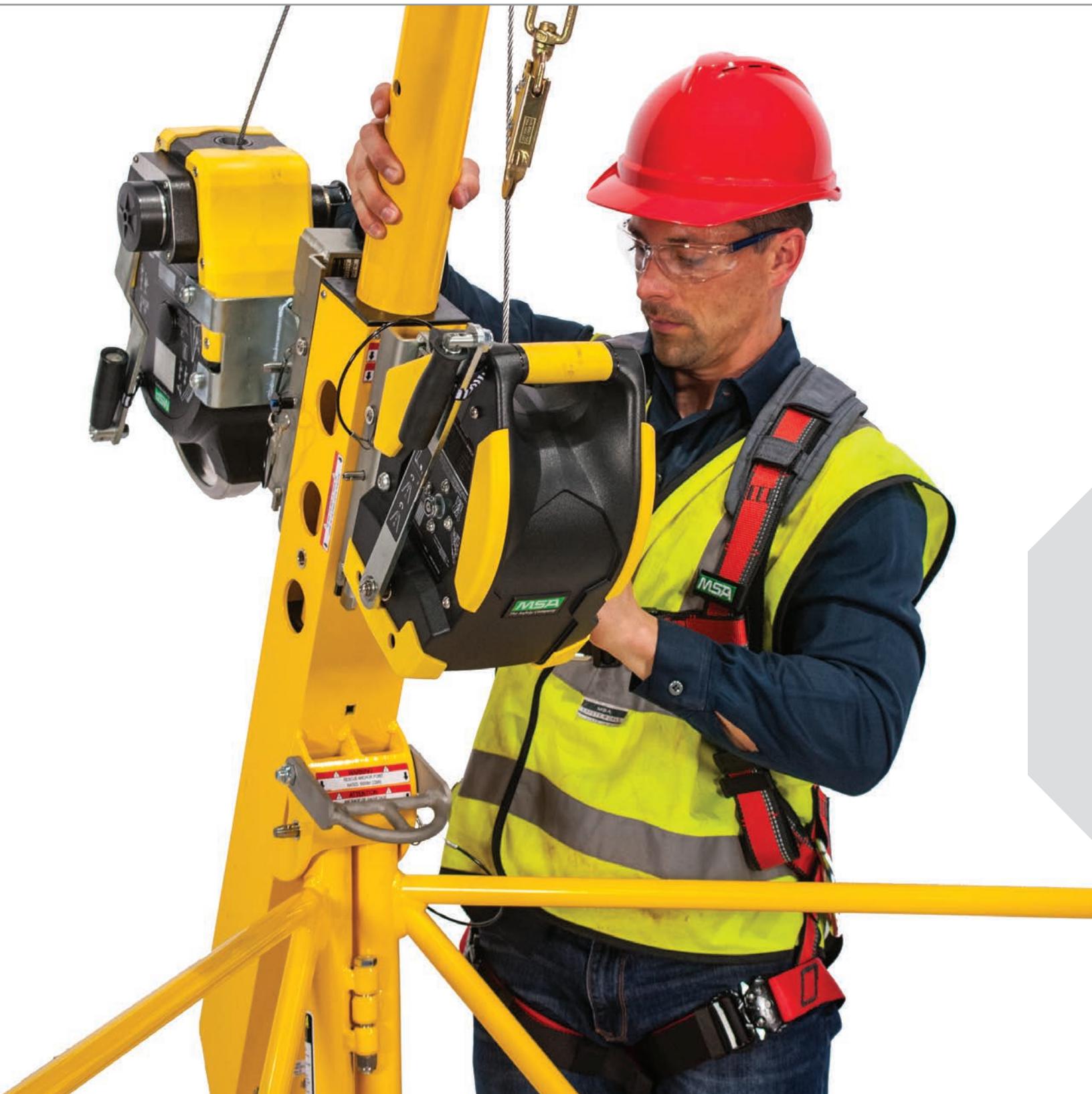


MSA Confined Space Entry Equipment

MSA
The Safety Company

XTIRPA™



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

MSA Confined Space Entry Equipment

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

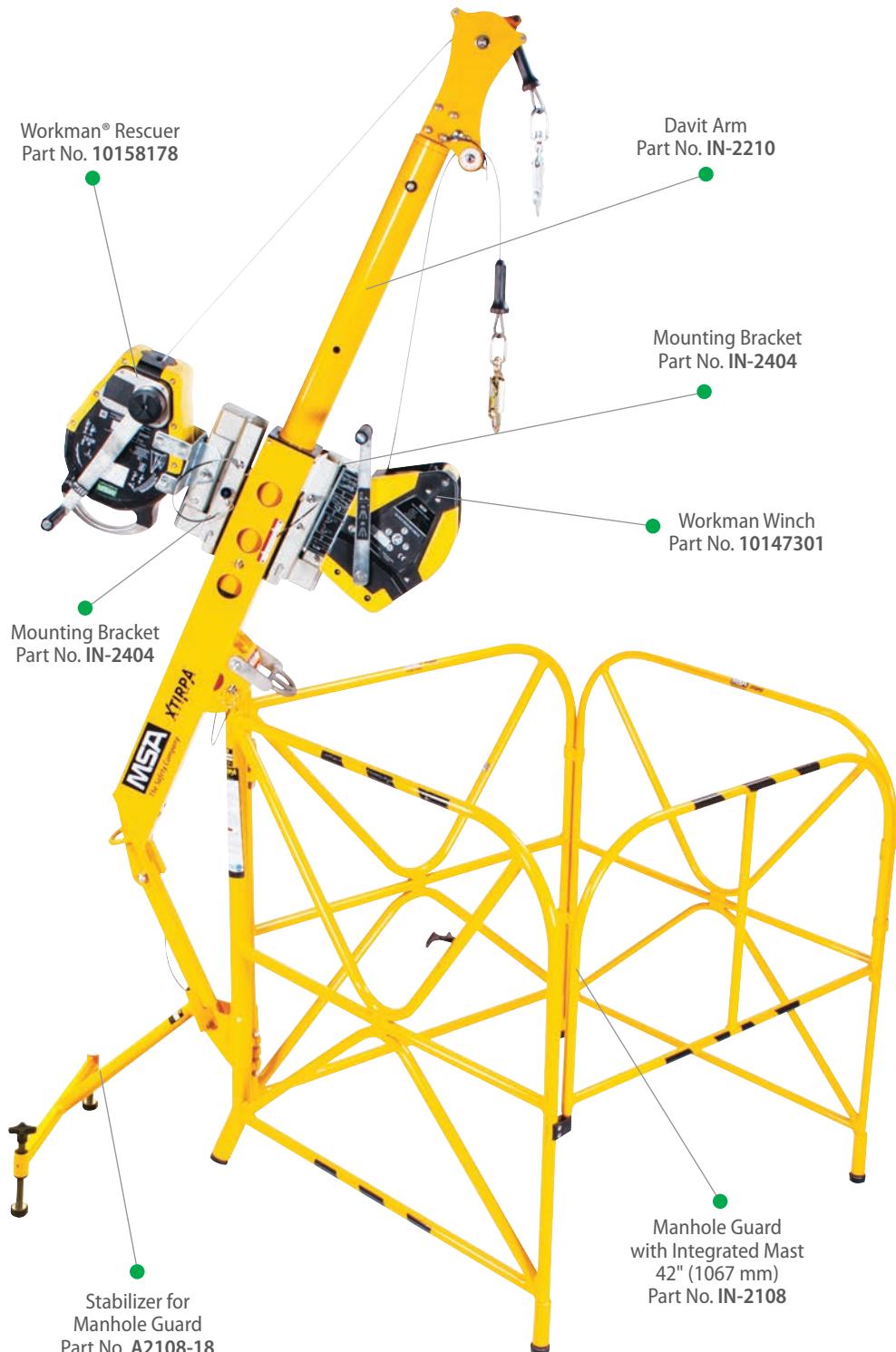
400 lbs. (181 kg)
as pictured with Workman Rescuer and Workman Winch

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
		24" davit arm with secondary winch adapter for fall protection and retrieval facilitates access to confined spaces. Used in conjunction with 24" mast IN-2003 and appropriate base/system or manhole guard. IN-2108 or IN-2324. Equipped with 5,000-lb. anchor point. Unit weight: 33 lbs. 67" L x 9" W x 8" D.	
Manhole Guard Integrated Mast 42"		P/N IN-2108	Meets OSHA Regulations
		Portable manhole guard with integrated mast that is used in conjunction with 24" davit arm for confined space fall protection and retrieval. Comes with adjustable feet for simple leveling of system. Unit weight: 29 lbs. 42" H x 38" W x 38" D.	
Large Manhole Guard Integrated Mast 42"		P/N IN-2324	Meets OSHA Regulations
		Large portable manhole guard with integrated mast that is used in conjunction with the 24" davit arm for confined space fall protection and retrieval. Comes with adjustable feet for simple leveling of system. Unit weight: 44 lbs. 42" H x 52" W x 52" D.	
Multifunctional Barricade 4 Side		P/N IN-2101	Meets OSHA Regulations
		4-sided multi-functional portable manhole guard allows worker to assemble additional sections to create safe working area. For use with portable manhole guard IN-2108 or IN-2324. Unit weight: Each removable section is 28 lbs. 42" H x 38" W x 38" D.	
Multifunctional Barricade 1 Side		P/N A2101-07	Meets OSHA Regulations
		Single section multi-functional portable manhole guard allows worker to assemble additional sections as needed to create a safe working area. 42" H x 38" W x 38" D. For use with portable manhole guard IN-2108 or IN-2324. Unit weight: 7 lbs.	
Kick Plate for Manhole Guard and Barricade		P/N IN-2176	Meets OSHA Regulations
		Kick-plate protector for portable manhole guard to help prevent objects at foot level from entering confined space. 6" H x 37-1/2" L x 1/16" W (thickness). Unit weight: 4 lbs.	
Stabilizer for Manhole Guard 42"		P/N A2108-18	Meets OSHA Regulations
		Stabilizer for IN-2108 or IN-2324 portable manhole guards. For use with self-retracting lanyards more than 50 ft. for increased system stability. May be used with other winching mechanisms: either material-handling winch or man-handling winch. Unit weight: 10 lbs.	
Stabilizer with Wheels for Manhole Guard 42"		P/N A2108-20	Meets OSHA Regulations
		Stabilizer for IN-2108 or IN-2324 portable manhole guard with wheels. For use with self-retracting lanyards more than 50 ft. for increased system stability. Wheels allow for ease of movement without dismantling system. Unit weight: 13 lbs.	
Workman® Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	
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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m). Unit weight: 30 lbs.	
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations
		Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac® II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations
		Mounting bracket for Dynevac II System.	

MSA Confined Space Entry Equipment

MSA XTIRPA Adapter Base System—24" Reach

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

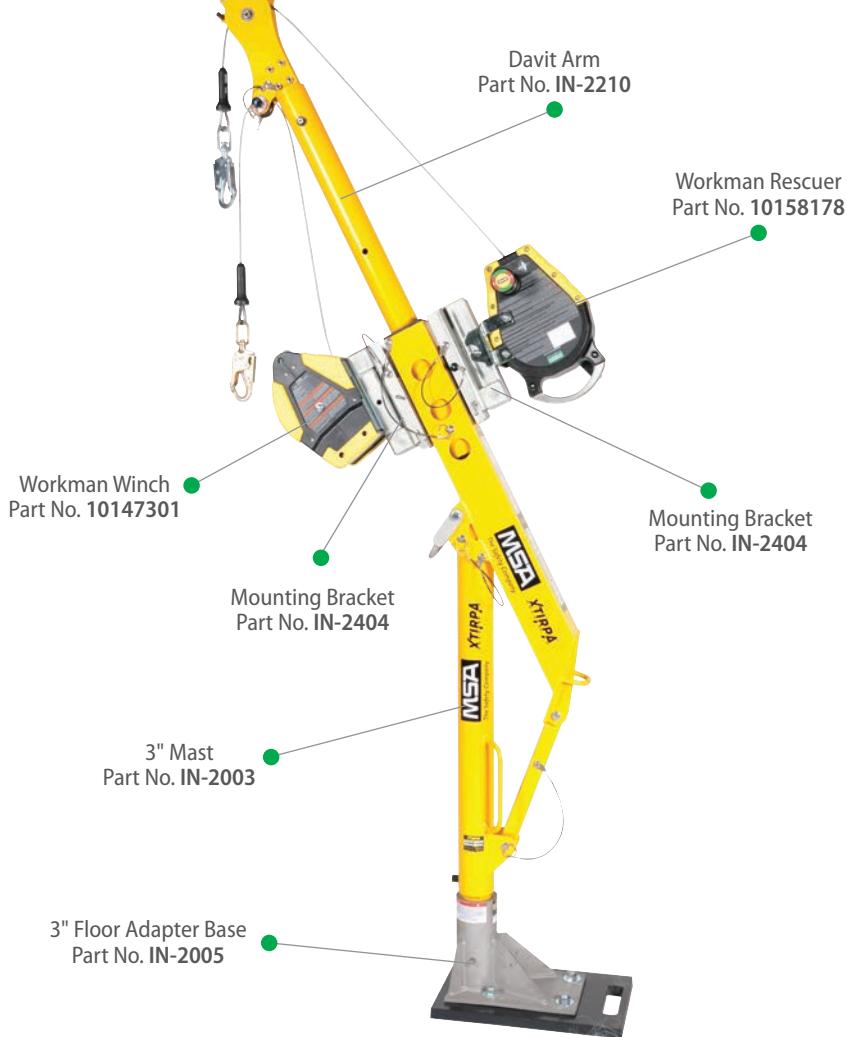
Adapter Base Systems are fixed anchorage connectors used for vertical entry into confined spaces. The adapter base is permanently affixed to an existing structure. The many different adapter base options can accommodate any work environment. This system is designed for work areas that require regular setup and teardown.

Weight Capacity

360 lbs. (163 kg)
as pictured with
Workman Rescuer

Required System Components

- Davit Arm IN-2210
- 3" Mast IN-2003
- 3" Adapter Base
- 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
24" davit arm with secondary winch adapter for fall protection and retrieval facilitates access to confined spaces. Used in conjunction with 24" mast IN-2003 and appropriate base/system or manhole guard. IN-2108 or IN-2324. Equipped with 5,000-lb. anchor point. Unit weight: 33 lbs.

3" Diameter Mast



P/N IN-2003

Meets OSHA Regulations
Mast for confined space fall protection and retrieval to be used in conjunction with the 24" davit arm IN-2210 and any Xtripa System mast base or system. 45" height. Unit weight 22 lbs.

Mast Extension (15", 18" or 24")



P/N IN-2044 15" Unit weight 20 lbs.
P/N IN-2109 18" Unit weight 24 lbs.
P/N IN-2045 24" Unit weight 26 lbs.

Meets OSHA Regulations

Mast extension is constructed of painted steel and provides additional height when used with any mast base.

Ordering Information

3" Floor Adapter Base		P/N IN-2005 304 stainless steel P/N IN-2106 Zinc-plated P/N IN-2311 316 stainless steel Floor adapter base attaches to concrete or steel. Use with mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
3" Flush Floor Adapter Base		P/N IN-2006 304 stainless steel P/N IN-2114 Zinc-plated P/N IN-2325 316 stainless steel Floor adapter attaches to concrete or steel. May help to reduce trip hazards when not in use. Use with mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
3" Fresh Concrete Floor Adapter Base		P/N IN-2007 304 stainless steel P/N IN-2326 316 stainless steel Floor adapter for use with fresh concrete floors in new construction. May help to reduce trip hazards when not in use. Use with mast IN-2003 and davit arm IN-2210.	Meets OSHA Regulations
3" Wall Adapter Base		P/N IN-2013 304 stainless steel P/N IN-2107 Zinc-plated P/N IN-2327 316 stainless steel Adapter attaches flush to concrete or steel vertical structures for minimal intrusion. Use with universal mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
3" Mural Adapter Base with 8" Offset		P/N IN-2124 304 stainless steel Adapter attaches to concrete or steel vertical structures, provides 8" clearance from wall. Use with universal mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
3" Mural Adapter Base with 14" Offset		P/N IN-2067 304 stainless steel P/N IN-2312 316 stainless steel Adapter attaches to concrete or steel vertical structures, provides 14" clearance from wall. Use with universal mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
3" Sleeve Adapter Base		P/N IN-2097 304 stainless steel P/N IN-2328 316 stainless steel Sleeve adapter provides flush mount with concrete floor. For use with universal mast IN-2003 and davit arm IN-2210. 4.2" diameter hole needed.	Meets OSHA Regulations
3" Barrel Adapter Base		P/N IN-2021 304 stainless steel P/N IN-2129 Zinc-plated Barrel adapter attaches to walls that are maximum 3" thick. For use with universal mast IN-2003 and davit arm IN-2210. Commonly used on boats and ferries.	Meets OSHA Regulations
3" Barrel Adapter Base 2" to 5"		P/N IN-2315 Zinc-plated Barrel adapter attached to walls between 2" and 5" thick. Commonly used on shoring boxes.	Meets OSHA Regulations
3" Exterior Corner Wall Adapter Base		P/N IN-2131 304 stainless steel P/N IN-2132 Zinc-plated Wall mount adapter base provides option for attaching mast adapter to exterior 90° corner wall. Bolts not included.	Meets OSHA Regulations
3" Interior Corner Wall Adapter Base		P/N IN-2133 304 stainless steel P/N IN-2134 Zinc-plated Wall mount adapter base provides the option for attaching a mast adapter to an interior 90 degree corner wall. Bolts not included.	Meets OSHA Regulations
Universal Ring Adapter		P/N IN-2087 Universal ring adapter is used on ceilings or walls with Pole Hoist System. Use horizontally or vertically. Bolts not included.	Meets OSHA Regulations
3" Center Mount Floor Adapter Base		P/N IN-2105 304 stainless steel P/N IN-2137 Zinc-plated P/N IN-2329 316 stainless steel Center mount floor adapter attaches to concrete or steel. Use with universal mast IN-2003 and davit arm IN-2210. Ideal when 360° movement required. Bolts not included.	Meets OSHA Regulations
3" H-Beam Adapter Base		P/N IN-2085 304 stainless steel Adapter attaches to H-beam to provide anchorage point for mast IN-2003 and davit arm IN-2210. Designed for H-beam width 12" x 26". Used on suspended floors over sections of beams. Ships with bolts.	Meets OSHA Regulations

MSA Confined Space Entry Equipment

Ordering Information

3" Top Wall Adapter 90°		P/N IN-2117 304 stainless steel Adapter provides option for attaching mast adapter to top of concrete wall at 90°. Use with universal mast IN-2003 and davit arm IN-2210. Bolts not included.	Meets OSHA Regulations
Mural Wall Angular Adapter		P/N IN-2314	Meets OSHA Regulations Wall mounted winch adapter plate for use with IN-2087 anchor and confined space pulley and carabiner.
Fall Arrest and Rescue Link Adapter		P/N IN-2271	Meets OSHA Regulations Adapter for fall arrest and rescue fits onto davit arm IN-2210 and is used with mechanical rope system in place of SRL. Used to form mechanical advantage rope system.
Wire Rope Link		P/N IN-2400	Meets OSHA Regulations Wire rope to be used with IN-2271 fall arrest and rescue link adapter.
Warning Post		P/N IN-2161	Used with permanent adapter bases when installed in high traffic locations to provide visual warning. May help prevent objects from falling in base and reduce trip hazards. Fits 3" diameter hole for bases used with IN-2003 universal mast.
3" Adapter Cap		P/N IN-2072	Cap for use with permanent adapter bases when mast not installed. May prevent objects from falling into adapter base. Fits 3" diameter hole for IN-2003 universal mast.
3" Adapter Cap with SST Wire		P/N IN-2073	Cap with stainless steel wire for use with permanent adapter bases when mast not installed. May prevent objects from falling into adapter base. Fits 3" diameter hole for IN-2003 universal mast.
Reinforcement Plates		P/N P2006-006 P/N P2105-001 P/N P2005-001 P/N P2087-004 P/N P2013-008	Reinforcement plate for adapter IN-2006 304 stainless steel Reinforcement plate for adapter IN-2105 304 stainless steel Reinforcement plate for adapter IN-2005 304 stainless steel Reinforcement plate for adapter IN-2087 304 stainless steel Reinforcement plate for adapter IN-2013 304 stainless steel
Threaded Rod Kit 3/4-10 x 12"		P/N IN-2174	Kit comes with 4 12" stainless steel threaded rods for sandwich-type installation of adapters.
Threaded Rod Kit 3/4-10 x 16"		P/N IN-2212	Kit comes with 4 16" stainless steel threaded rods for sandwich-type installation of adapters.
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m).
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations Mounting bracket for Workman Rescuer and Workman Winch.
Dynevac II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations Mounting bracket for Dynevac II System.

Manhole Cover Lifter

Ordering Information

Ratchet Manhole Cover Lifter**P/N IN-2071**

Ratchet manhole cover lifter offers ergonomically safe way to lift lids with less strain. Lightweight and durable. Measures 53" height. Non-skidding tempered steel pegs, includes medium hook. 3 hook 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.

MSA Confined Space Entry Equipment

MSA XTIRPA Hitch Mount System

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

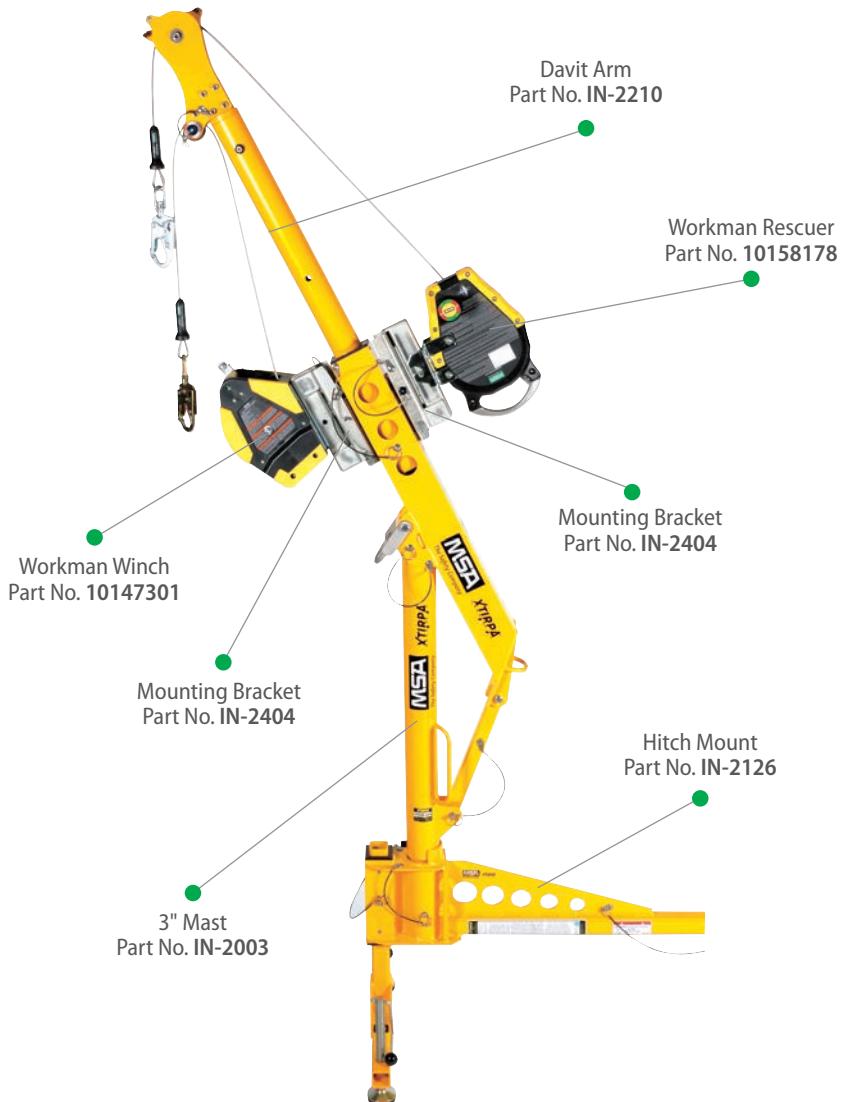
Hitch Mount Systems are portable anchorage connectors used for vertical entry into confined spaces. The hitch mount can be customized to accommodate a variety of confined space applications. The Hitch Mount System is commonly used with rescue vehicles for confined space rescue.

Weight Capacity

360 lbs. (163 kg) as pictured with Workman Rescuer

Required System Components

- Davit Arm IN-2210
- 3" Mast IN-2003
- Hitch Mount with 24" Stabilizer IN-2126 or Hitch Mount with 60" Stabilizer IN-2204
- Rescuer SRL such as 10158178 and corresponding attachment bracket such as IN-2404



Ordering Information

Davit Arm 24" Reach



P/N IN-2210

24" davit arm with secondary winch adapter for fall protection and retrieval facilitates access to confined spaces. Used in conjunction with 24" mast IN-2003 and appropriate base/system or manhole guard. IN-2108 or IN-2324. Equipped with 5,000-lb.. anchor point. Unit weight: 33 lbs.

Meets OSHA Regulations

3" Diameter Mast



P/N IN-2003

Mast for confined space fall protection and retrieval to be used in conjunction with 24" davit arm IN-2210 and any Xtripa System mast base or system. 45" height. Unit weight: 22 lbs.

Meets OSHA Regulations

Mast Extension (15", 18" or 24")



P/N IN-2044 15" Unit weight 20 lbs.

P/N IN-2109 18" Unit weight 24 lbs.

P/N IN-2045 24" Unit weight 26 lbs.

Meets OSHA Regulations

Mast extension is constructed of painted steel and provides additional height when used with any mast base.

Ordering Information

3" Hitch Mount with 24" Stabilizer		P/N IN-2126	Meets OSHA Regulations
		Hitch mount with 24" stabilizer is part of confined space system that connects to 2" square vehicle receiver hitches. Use with mast IN-2003 and davit arm IN-2210. Ships with adjustable screw pads for simple leveling of system.	
3" Hitch Mount with 60" Stabilizer		P/N IN-2204	Meets OSHA Regulations
		Hitch mount with 60" stabilizer is part of confined space system that connects to 2" square vehicle receiver hitches. Use with mast IN-2003 and davit arm IN-2210. Ships with adjustable screw pads for simple leveling of system.	
Universal Joint Assembly for Hitch Mount		P/N A2126-07	Meets OSHA Regulations
		Universal joint assembly attaches to hitch mount IN-2126 or IN-224 allowing for 22.5 degrees of lateral movement when attached to vehicle hitch. Usually used in conjunction with 72" hitch mount extension A2126-09.	
90° Extension for Hitch Mount		P/N A2126-10	Meets OSHA Regulations
		Attaches to hitch mount IN-2126 or IN-2204 and provides 90° extension. Allows vehicle to be parallel with traffic and access confined spaces on side of road.	
C-Clamp Adapters for Hitch Mount		P/N A2126-14 16" C-clamp P/N A2126-33 23.5" C-clamp	Meets OSHA Regulations
		C-Clamp for Hitch Mount Systems with 16" or a 8.5"-23.5" range.	
Anchor Bolt Adapter for Hitch Mount		P/N A2126-21	Meets OSHA Regulations
		Portable anchor for hitch mounts IN-2126 or IN-2204.	
Universal Wall Adapter for Hitch Mount		P/N IN-2348	Meets OSHA Regulations
		Universal wall adapter for hitch mount.	
Beam Adapter for Universal Wall Adapter		P/N A2348-08	Meets OSHA Regulations
		Beam adapter for universal wall adapter IN-2348.	
90° Extensions for Universal Wall Adapter		P/N A2348-03 8" extension for IN-2348 P/N A2348-05 16" extension for IN-2348	Meets OSHA Regulations
		90° 8" or 16" extension for Universal Wall Adapter IN-2348.	
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	
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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m). Unit weight: 30 lbs.	
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations
		Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations
		Mounting bracket for Dynevac II System.	

MSA Confined Space Entry Equipment

MSA XTIRPA Adjustable Wall Adapter System

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

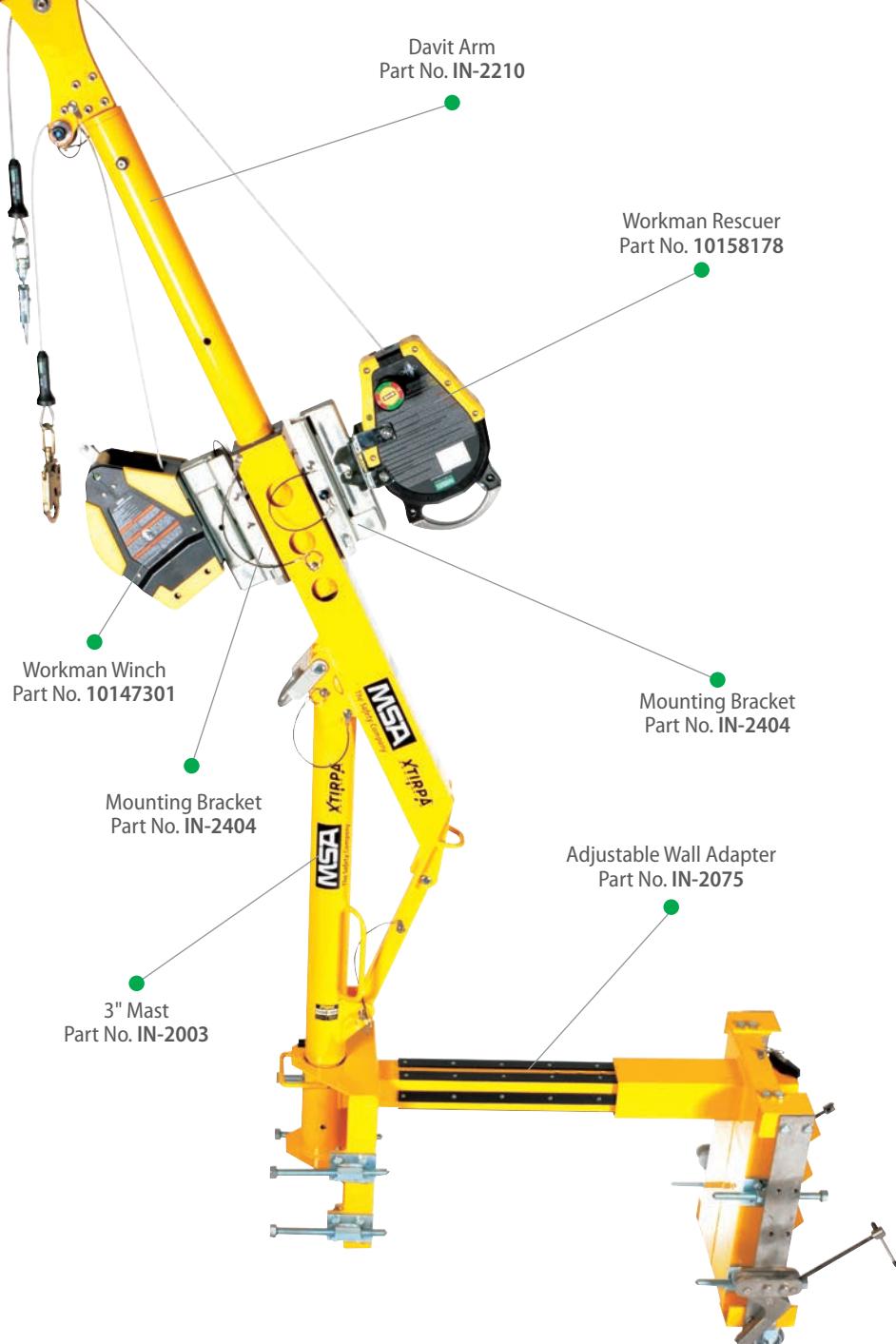
Adjustable Wall Adapter Systems are portable anchorage connectors used for vertical entry into confined spaces. The Adjustable Wall Adapters range from 6" to 45" to accommodate a wide range of confined space applications. This system is designed for frequent setup of confined space equipment.

Weight Capacity

360 lbs. (163 kg) as pictured with Workman Rescuer

Required System Components

- Davit Arm IN-2210
- 3" Mast IN-2003
- Adjustable Wall Adapter
- Rescuer SRL such as 10158178 and corresponding attachment bracket such as IN-2404



Ordering Information

Davit Arm 24" Reach		P/N IN-2210 24" davit arm with secondary winch adapter for fall protection and retrieval facilitates access to confined spaces. Used in conjunction with 24" mast IN-2003 and appropriate base/system or manhole guard. IN-2108 or IN-2324. Equipped with 5,000-lb. anchor point. Unit weight: 33 lbs. 67" L x 9" W x 8" H.	Meets OSHA Regulations
3" Diameter Mast		P/N IN-2003 Mast for confined space fall protection and retrieval to be used in conjunction with 24" davit arm IN-2210 and any Xtripa System mast base or system. 45" height. Unit weight 22 lbs.	Meets OSHA Regulations
Mast Extension (15", 18" or 24")		P/N IN-2044 15" Unit weight 20 lbs. P/N IN-2109 18" Unit weight 24 lbs. P/N IN-2045 24" Unit weight 26 lbs. Mast extension is constructed of painted steel and provides additional height when used with any mast base.	Meets OSHA Regulations
Mast/Davit Arm (18" or 9" reach)		P/N IN-2295 18" reach P/N IN-2363 9" reach Low clearance integrated mast and davit arm for use in any of 24" davit arm adapter bases when shorter clearance is needed.	Meets OSHA Regulations
Adjustable Wall Adapter (from 6" to 45")		P/N IN-2008 6"-15.75" P/N IN-2168 12"-24" P/N IN-2075 12"-31.5" P/N IN-2125 24"-45" P/N IN-2251 12"-30" Adjustable wall adapters range from 6 to 45". Adapter comes standard with A2008-12 (tightening rod with tempered steel single point). Tightening rods with different pad configurations are also available. Bolts included.	Meets OSHA Regulations
Workman Rescuer		P/N 10158178 Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	Standards: ANSI Z359.14, OSHA
Workman Winch		P/N 10147301 Maximum work load of 400 lbs. for personnel, 620 lbs. for materials. Includes integral RFID technology and self-locking swivel 36C snap hook. Stainless steel cable, 65' (20m). Unit weight: 30 lbs.	Standards: ANSI Z359.14, OSHA
Mounting Bracket (Workman)		P/N IN-2404 Mounting bracket for Workman Rescuer and Workman Winch.	Meets OSHA Regulations
Dynevac II System		P/N 10007782 Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	Standards: CSA Z259.2.2, OSHA
Mounting Bracket (Dynevac II System)		P/N IN-2151 Mounting bracket for Dynevac II System.	Meets OSHA Regulations

MSA Confined Space Entry Equipment

MSA XTIRPA Manhole Collar System

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

Manhole Collar Systems are portable anchorage connectors used for vertical entry into confined spaces. The Manhole Collar provides an adapter base by fitting within a manhole opening. This system is designed for frequent setup of confined space equipment over similarly-sized openings.

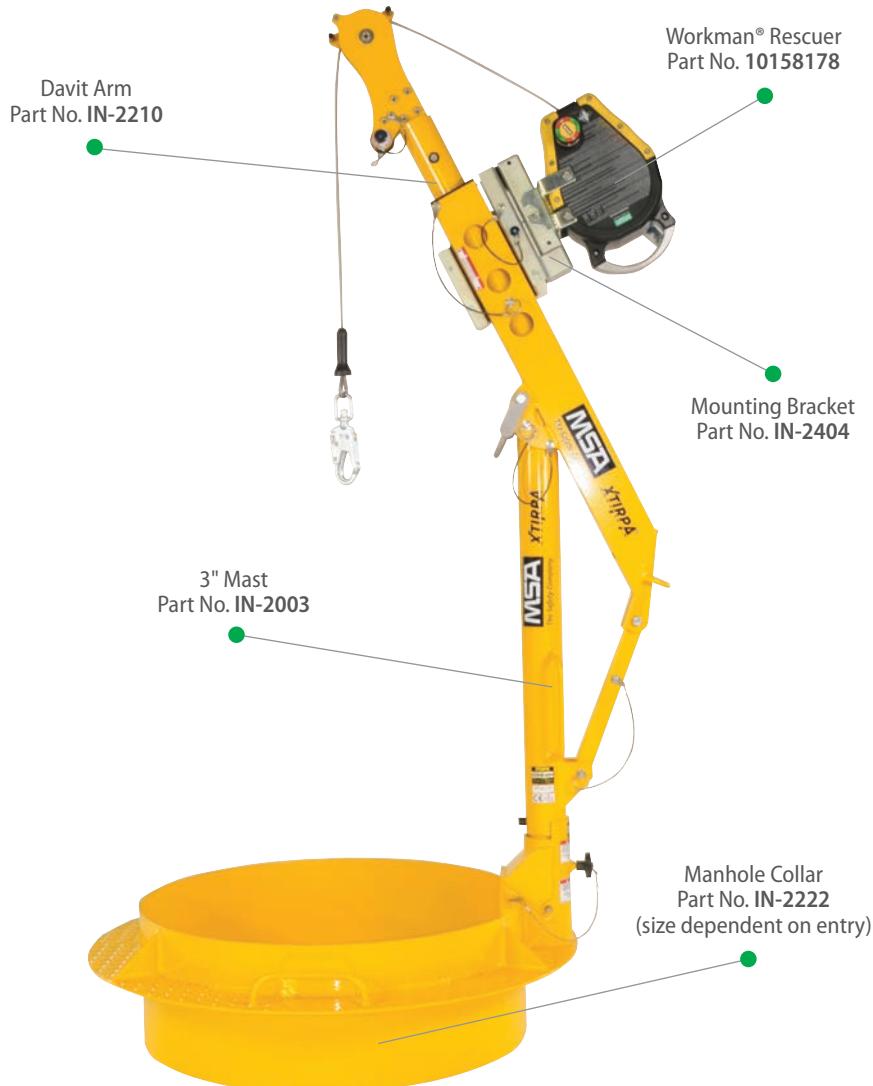
Weight Capacity

360 lbs. (163 kg)

as pictured with Workman Rescuer

Required System Components

- Davit Arm **IN-2210**
- 3" Mast **IN-2003**
- Manhole Collar (size dependent upon entry)
- 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

24" davit arm with secondary winch adapter for fall protection and retrieval facilitates access to confined spaces. Used in conjunction with 24" mast IN-2003 and appropriate base/system or manhole guard. IN-2108 or IN-2324. Equipped with 5,000-lb. anchor point. Unit weight: 33 lbs. 67" L x 9" W x 8" H.

3" Diameter Mast



P/N IN-2003

Meets OSHA Regulations

Mast for confined space fall protection and retrieval to be used in conjunction with 24" davit arm IN-2210 and any Xtripa System mast base or system. 45" height. Unit weight 22 lbs.

Mast Extension (15", 18" or 24")



P/N IN-2044 15" Unit weight 20 lbs.

P/N IN-2109 18" Unit weight 24 lbs.

P/N IN-2045 24" Unit weight 26 lbs.

Meets OSHA Regulations

Mast extension is constructed of painted steel and provides additional height when used with any mast base.

Ordering Information

Mast/Davit Arm (18" or 9" reach)		P/N IN-2295 18" reach P/N IN-2363 9" reach	Meets OSHA Regulations
		Low clearance integrated mast and davit arm for use in any 24" davit arm adapter bases when shorter clearance is needed. Low clearance mast and davit arm is 36" tall.	
Manhole Collar (sizes are for diameter)		P/N IN-2287 Fits 16-18" P/N IN-2219 Fits 18-20" P/N IN-2220 Fits 20-22" P/N IN-2221 Fits 22-24" P/N IN-2217 Fits 24-26" P/N IN-2222 Fits 26-28" P/N IN-2218 Fits 28-30" P/N IN-2167 Fits 30-32" P/N IN-2223 Fits 32-34" P/N IN-2224 Fits 34-36"	Meets OSHA Regulations
		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 sealing safety ring used in conjunction with retaining ring IN-2010 to prevent liquids from entering confined space.
Manhole Collar Seat		P/N A2217-10	Seat can be attached to any manhole collar for added comfort when entering or working on a confined 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 space. Unit weight 5.5 lbs.
Ladder Adapter for Manhole Collar		P/N A2217-05	Ladder adapter that attaches to any manhole collar and provides mechanism to secure ladder. Cannot be used with cone shaped safety ring IN-2009. Product comes with necessary hardware.
Positioning Seat		P/N IN-2244	Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to winch cable.
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (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 technology and self-locking swivel 36C snaphook. Stainless steel cable, 65 ft. (20m).
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations Mounting bracket for Workman Rescuer and Workman Winch.
Dynevac II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations Mounting bracket for Dynevac II System.

MSA Confined Space Entry Equipment

MSA XTIRPA Adapter Base System—30"– 48" Reach

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

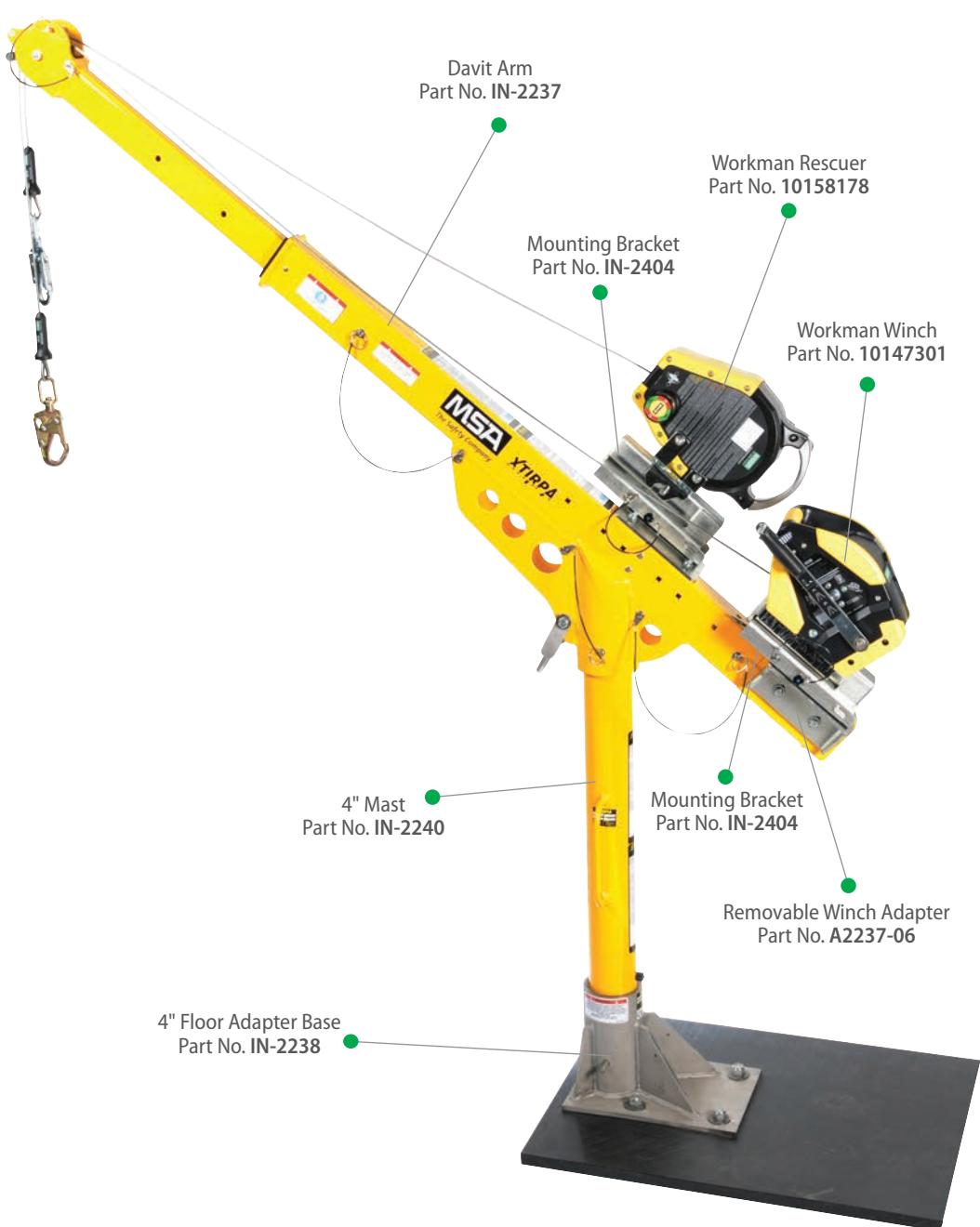
Adapter Base Systems are fixed anchorage connectors used for vertical entry into confined spaces. The adapter base is permanently affixed to an existing structure. The many different adapter base options can accommodate any work environment. This system is designed for work areas that require regular setup and teardown.

Weight Capacity

360 lbs. (163 kg) as pictured with Workman Rescuer

Required System Components

- Davit Arm **IN-2237**
- 4" Mast with 42" Height **IN-2240** or 4" Mast with 60" Height **IN-2313**
- 4" Adapter Base
- Rescuer SRL such as **10158178** and corresponding attachment bracket such as **IN-2404**



Ordering Information

Davit Arm 30" to 48" Reach		P/N IN-2237	Meets OSHA Regulations
		30-48" Extendable Davit Arm for fall protection and retrieval facilitates access to confined spaces. Use with masts IN-2240 or IN-2313. Pinholes located at 30", 36" and 48" to accommodate various reach lengths. Equipped with 5000-lb. anchor point. For extra winch configurations, use A2237-06.	
Removable Winch Adapter		P/N A2237-06	Meets OSHA Regulations
		Removable winch adapter for 30-48" extendable davit arm IN-2237.	
4" Mast for Davit Arm (42" or 60")		P/N IN-2240 42" Height P/N IN-2313 60" Height	Meets OSHA Regulations
		4" mast for confined space fall protection and retrieval to be used in conjunction with 30-48" extendable davit arm IN-2237. Can also be used with universal T-base IN-2305.	
4" Floor Adapter Base		P/N IN-2238 304 stainless steel P/N IN-2302 Zinc-plated	Meets OSHA Regulations
		Floor adapter attaches to concrete or steel structure. For use with mast IN-2240 or IN-2313 and davit arm IN-2237. Bolts not included.	
4" Mural Adapter Base		P/N IN-2253 304 stainless steel P/N IN-2303 Zinc-plated	Meets OSHA Regulations
		Mural adapter installed flush to concrete for minimal intrusion in work space. Use with mast IN-2240 or IN-2313 and davit arm IN-2237. Bolts not included.	
4" Center Mount Floor Adapter Base		P/N IN-2254 304 stainless steel P/N IN-2304 Zinc-plated	Meets OSHA Regulations
		Center mount floor adapter attaches to concrete or steel structure. Use with mast IN-2240 or IN-2313 and davit arm IN-2237. Ideal for 360° rotation. Bolts not included.	
4" Flush Floor Adapter Base		P/N IN-2266 304 stainless steel	Meets OSHA Regulations
		Flush floor adapter attaches to concrete or steel. May help reduce trip hazards when not in use. Use with mast IN-2240 or IN-2313 and davit arm IN-2237. Bolts not included.	
4" Sleeve Adapter Base		P/N IN-2255 304 stainless steel	Meets OSHA Regulations
		Sleeve adapter provides flush mount with concrete floor. For use with mast IN-2240 or IN-2313 and davit arm IN-2237. 5.75" diameter hole needed.	
4" Adapter Cap		P/N IN-2272	
		Use with permanent adapter bases when mast not installed. May help to prevent objects from falling in base. Use with mast IN-2240 or IN-2313. Fits 4" diameter hole.	
4" Adapter Cap with SST Wire		P/N IN-2273	
		Use with permanent adapter bases when mast not installed. May help to prevent objects from falling in base. Use with mast IN-2240 or IN-2313. Fits 4" diameter hole. Wire keeps cap attached to base.	
4" to 3" Cylinder Reducer with Cable		P/N A2238-03	
		Use with 4" diameter adapters to allow use of 3" mast IN-2003.	
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	
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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m). Unit weight: 30 lbs.	
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations
		Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations
		Mounting bracket for Dynevac II System.	

MSA Confined Space Entry Equipment

MSA XTIRPA Pole Hoist System

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

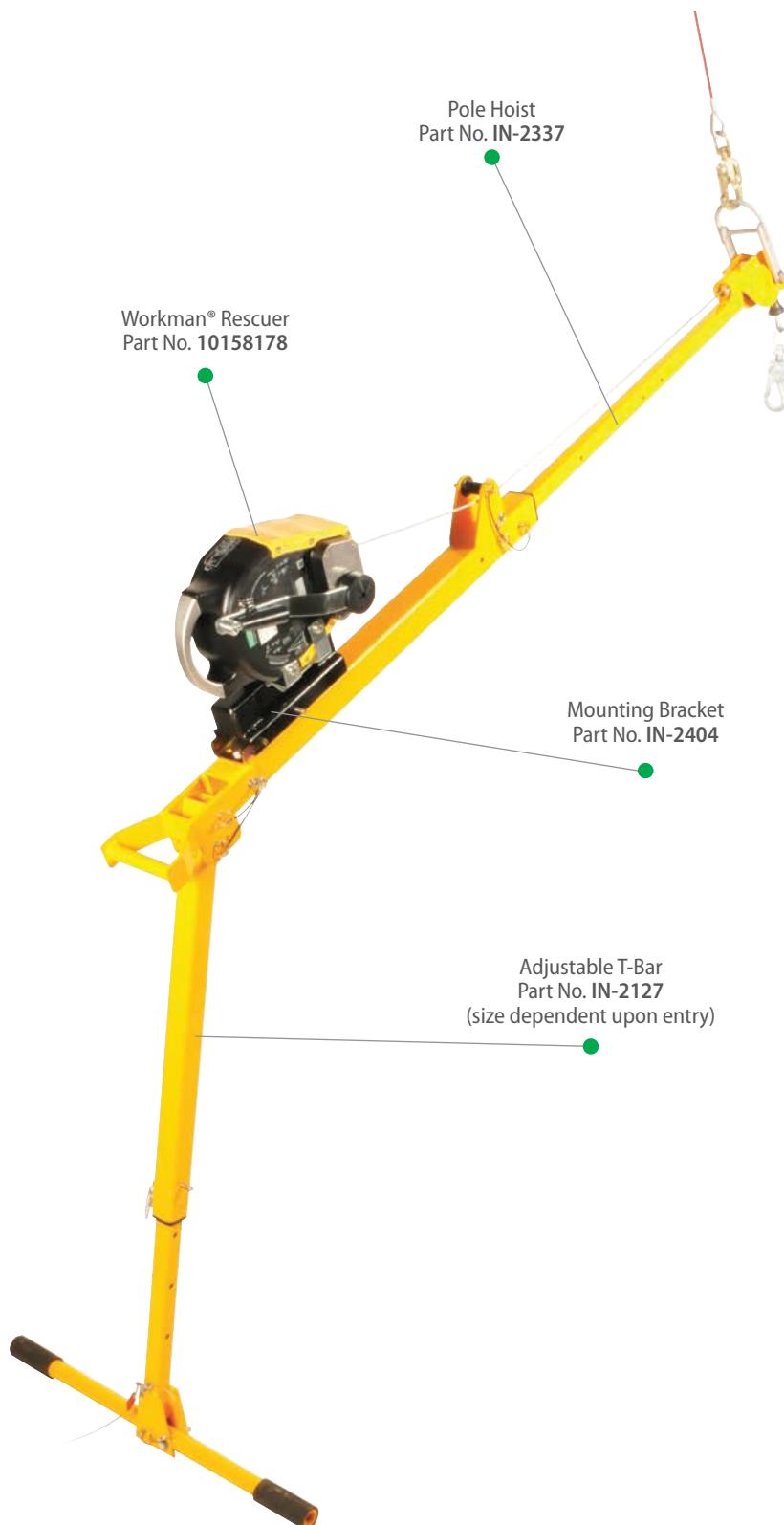
Pole Hoist Systems are portable anchorage connectors used for vertical and horizontal entry into confined spaces. When attached to an anchor point, the Pole Hoist provides retrieval and fall protection when limited overhead clearance is present. The Pole Hoist can also be configured for horizontal entry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

Weight Capacity

360 lbs. (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 upon 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")		P/N IN-2337 48"-78" P/N IN-2338 57"-102"	Meets OSHA Regulations
		Pole hoist system with swivel head for vertical and horizontal retrieval and fall arrest. Extends with 2 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" P/N IN-2256 47"-75" P/N IN-2274 12"-14"	Meets OSHA Regulations
		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-2242	Meets OSHA Regulations
		Anchor point for vertical and horizontal entry with pole hoist system. Can be used on round or square flange that can support 5000 lbss as anchor point. Flange includes snap hook. Existing studs of structure needed for attachment.	
Universal Ring Adapter		P/N IN-2087	Meets OSHA Regulations
		Universal ring adapter for use on ceiling or wall with pole hoist system. Use horizontally or vertically. Bolts not included.	
Jib Adapter for Lateral Entry		P/N IN-2241	Meets OSHA Regulations
		Jib adapter is positioned outside of confined space entry points to allow lateral entry. Jib adapter is typically used with tanks when walls are too thin for anchor point. Can be certified anchor point when anchored at base. Height adjusts from 88.9" to 109.2".	
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m).	
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations
		Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac II System		P/N 10007782	Standards: CSA Z259.2.2, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations
		Mounting bracket for Dynevac II System.	

MSA Confined Space Entry Equipment

MSA XTIRPA Counter Weight System

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

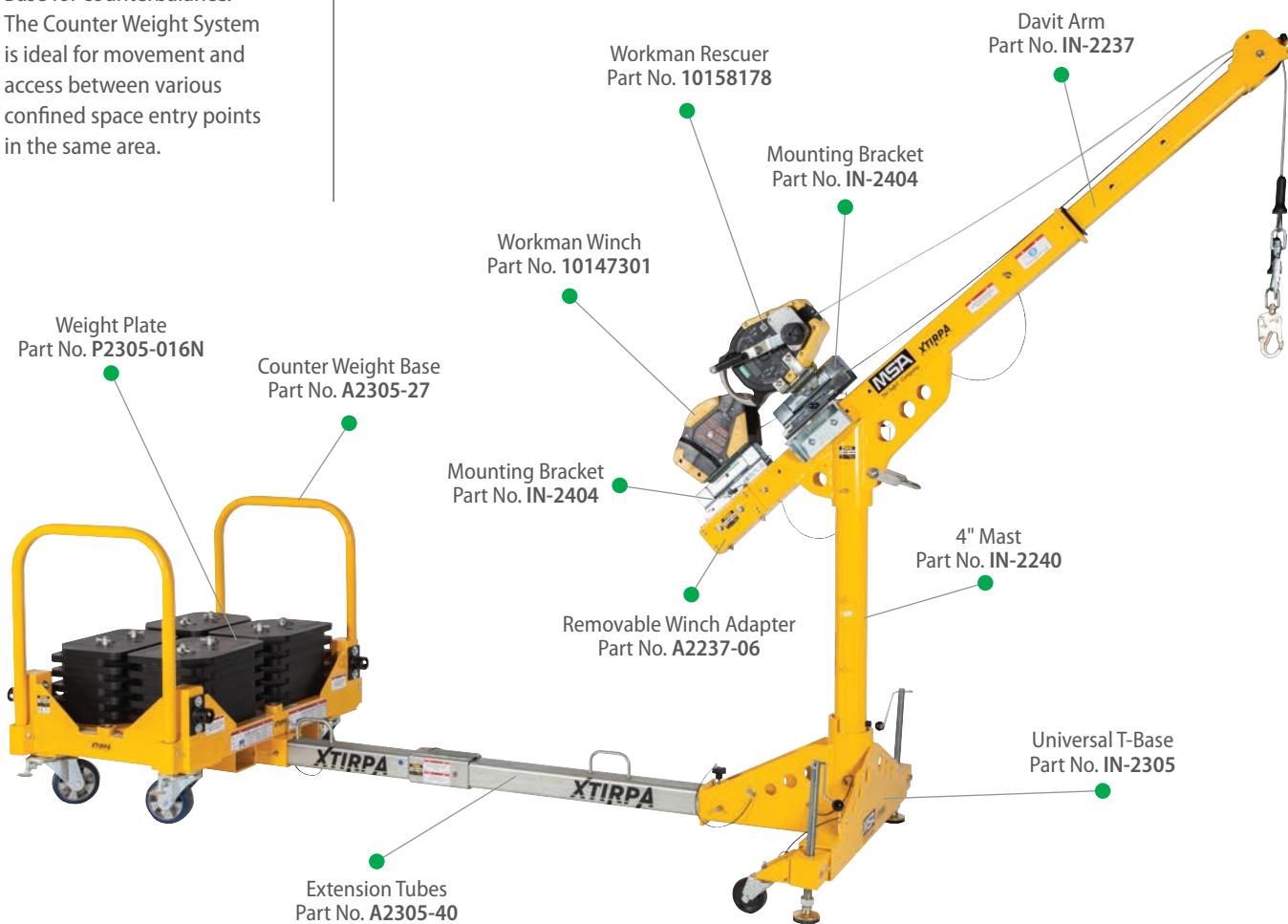
Counter Weight Systems are portable anchorage connectors used for vertical entry into confined spaces. The Counter Weight System is to be used with the Counter Weight Base for counterbalance. The Counter Weight System is ideal for movement and access between various confined space entry points in the same area.

Weight Capacity

360 lbs. (163 kg) as pictured with Workman® Rescuer

Required System Components

- Davit Arm IN-2237
- 4" Mast with 42" Height IN-2240, or 4" Mast with 60" Height IN-2313
- T-Base Extension 72" A2305-16
- Universal T-Base for 4" Mast IN-2305
- 50 lb. Weight Plates P2305-016N (Qty: 40)
- Rescuer SRL such as 10158178 and corresponding attachment bracket such as IN-2404



Ordering Information

Davit Arm 30" to 48" Reach		P/N IN-2237	Meets OSHA Regulations
		30-48" Extendable Davit Arm for fall protection and retrieval facilitates access to confined spaces. Use with masts IN-2240 or IN-2313. Pinholes located at 30", 36" and 48" to accommodate various reach lengths. Equipped with 5000-lb. anchor point. For extra winch configurations, use A2237-06.	
Removable Winch Adapter		P/N A2237-06	Meets OSHA Regulations
		Removable winch adapter for 30-48" extendable davit arm IN-2237.	
4" Mast for Davit Arm (42" or 60")		P/N IN-2240 42" Height P/N IN-2313 60" Height	Meets OSHA Regulations
		4" mast for confined space fall protection and retrieval to be used in conjunction with 30-48" extendable davit arm IN-2237. Can also be used with universal T-base IN-2305.	
Universal T-Base for 4" Mast		P/N IN-2305	Meets OSHA Regulations
		Portable T-base for confined space fall protection and retrieval. Attaches to counter weight base A2305-27 via extension A2305-40. Use with masts IN-2240 or IN-2313 and davit arm IN-2237. Purchase weights separately.	
Counter Weight Base		P/N A2305-27	Meets OSHA Regulations
		Portable counter weight confined space system attaches to T-base mount IN-2305 via extension A2305-23. Serves as anchor point. Use with mast IN-2240 or IN-2313 and davit arm IN-2237. Purchase weights separately.	
Weight Plate, 50lb		P/N P2305-016N	
		50 lb. weight plate for use on counter weight base A2305-27. 40 plates required for counter weight base.	
T-Base Extension, 72" with 2.5" Receiver		P/N A2305-16	Meets OSHA Regulations
		72" extension connects to universal T-base for 4" mast IN-2305 using T-base reducer A2305-25. Permits T-base to connect to vehicle hitch. Used for 2.5" vehicle hitch. Use reducer A2305-20 to fit 2" vehicle hitch.	
Reducer 2.5 to 2" for T-Base Extension		P/N A2305-20	
		Reducer used with 72" extension A2305-16. Allows T-base extension to fit into 2" vehicle hitch.	
Extension Tubes 96" for Counter Weight Base		P/N A2305-40	Meets OSHA Regulations
		96" extension tube for counter weight base.	
T-Base Reducer for 72" Extension		P/N A2305-25	
		T-base reducer for 72" extension A2305-16.	
90 Degree Extension for Universal T-Base for 4" Mast		P/N A2305-29	Meets OSHA Regulations
		90° extension for universal T-base for 4" mast IN-2305.	
Workman Rescuer		P/N 10158178	Standards: ANSI Z359.14, OSHA
		Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	
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 technology and self-locking swivel 36C snap hook. Stainless steel cable, 65 ft. (20m). Unit weight: 30 lbs.	
Mounting Bracket (Workman)		P/N IN-2404	Meets OSHA Regulations
		Mounting bracket for Workman Rescuer and Workman Winch.	
Dynevac II System		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).	
Mounting Bracket (Dynevac II System)		P/N IN-2151	Meets OSHA Regulations
		Mounting bracket for Dynevac II System.	



XTRIPAC™

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 concerning proper use and care of these products.



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