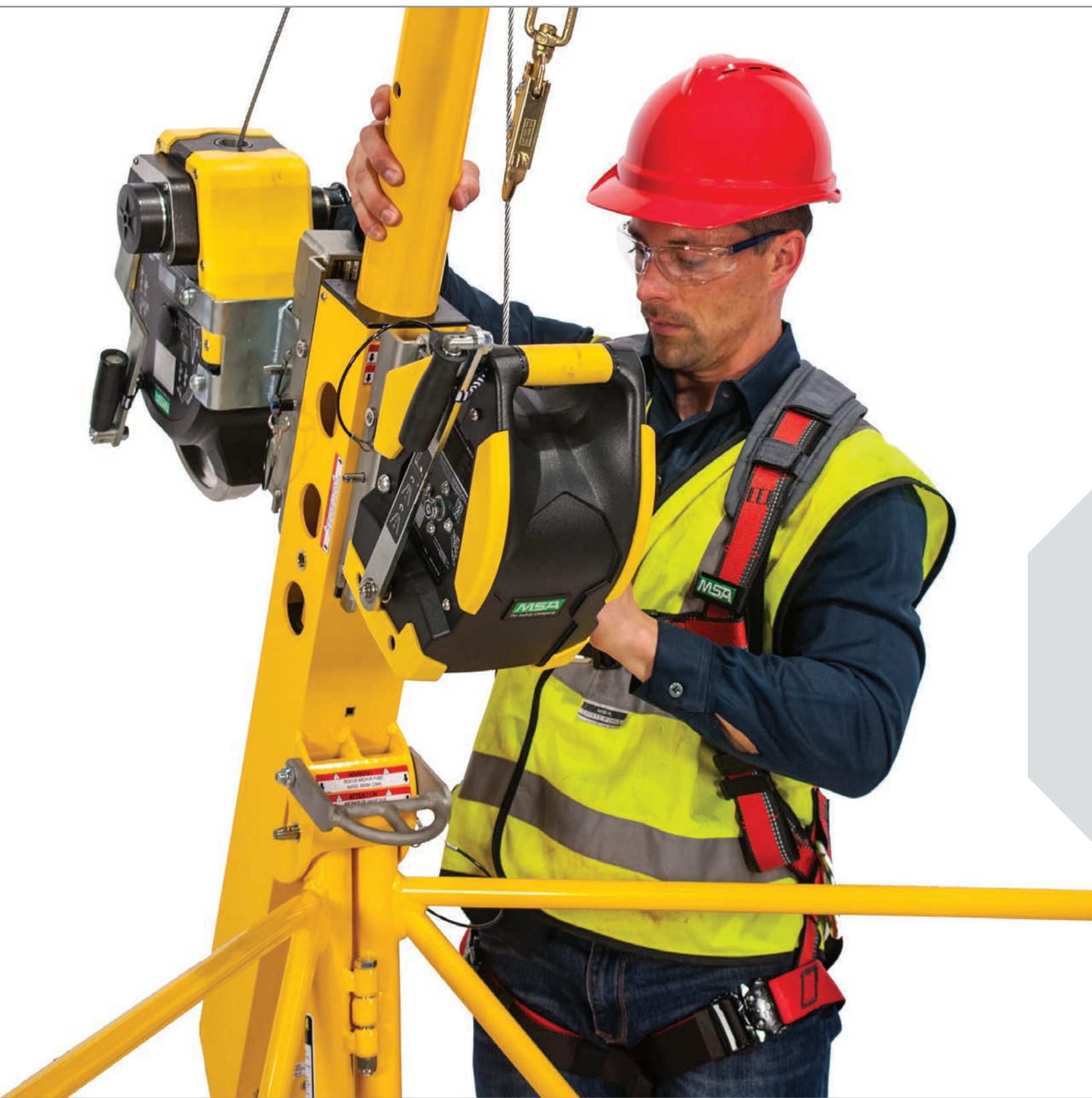


# MSA Confined Space Entry Equipment

**MSA**  
The Safety Company

**XTIRPA™**



*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.

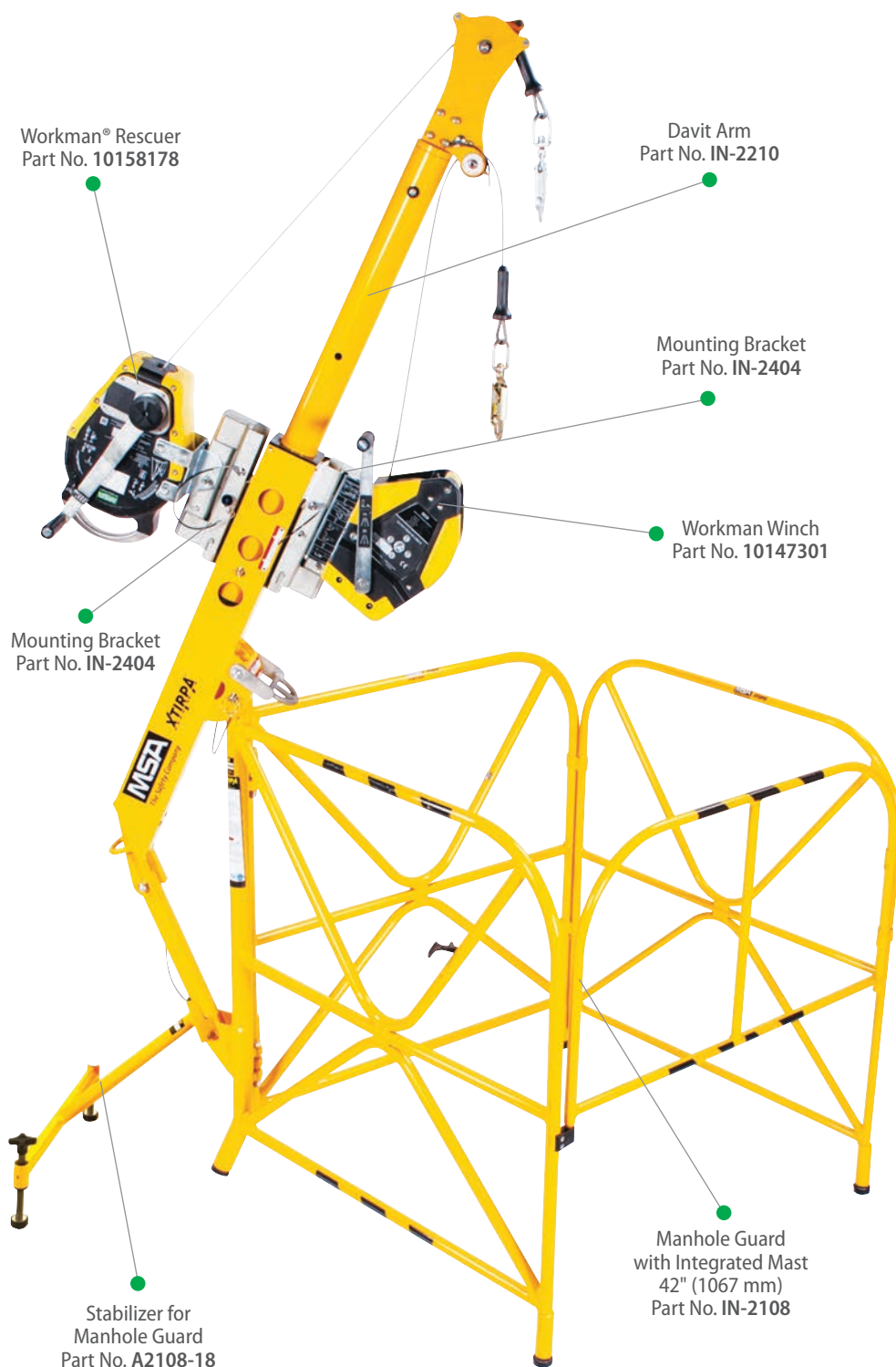
Manhole Guard Systems are portable anchorage connectors used for vertical entry into confined spaces. The Manhole Guard with Integrated Mast barricades exposed entry points while providing the necessary strength needed for fall protection, entry and retrieval applications. The Davit Arm and Manhole Guard 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 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

<b>Davit Arm 24" Reach</b>		<b>P/N IN-2210</b> 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.	<b>Meets OSHA Regulations</b>
<b>Manhole Guard Integrated Mast 42"</b>		<b>P/N IN-2108</b> 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.	<b>Meets OSHA Regulations</b>
<b>Large Manhole Guard Integrated Mast 42"</b>		<b>P/N IN-2324</b> 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.	<b>Meets OSHA Regulations</b>
<b>Multifunctional Barricade 4 Side</b>		<b>P/N IN-2101</b> 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.	
<b>Multifunctional Barricade 1 Side</b>		<b>P/N A2101-07</b> 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.	
<b>Kick Plate for Manhole Guard and Barricade</b>		<b>P/N IN-2176</b> 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.	
<b>Stabilizer for Manhole Guard 42"</b>		<b>P/N A2108-18</b> 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.	
<b>Stabilizer with Wheels for Manhole Guard 42"</b>		<b>P/N A2108-20</b> 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.	
<b>Workman® Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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). Unit weight: 30 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac® II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>

# 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.

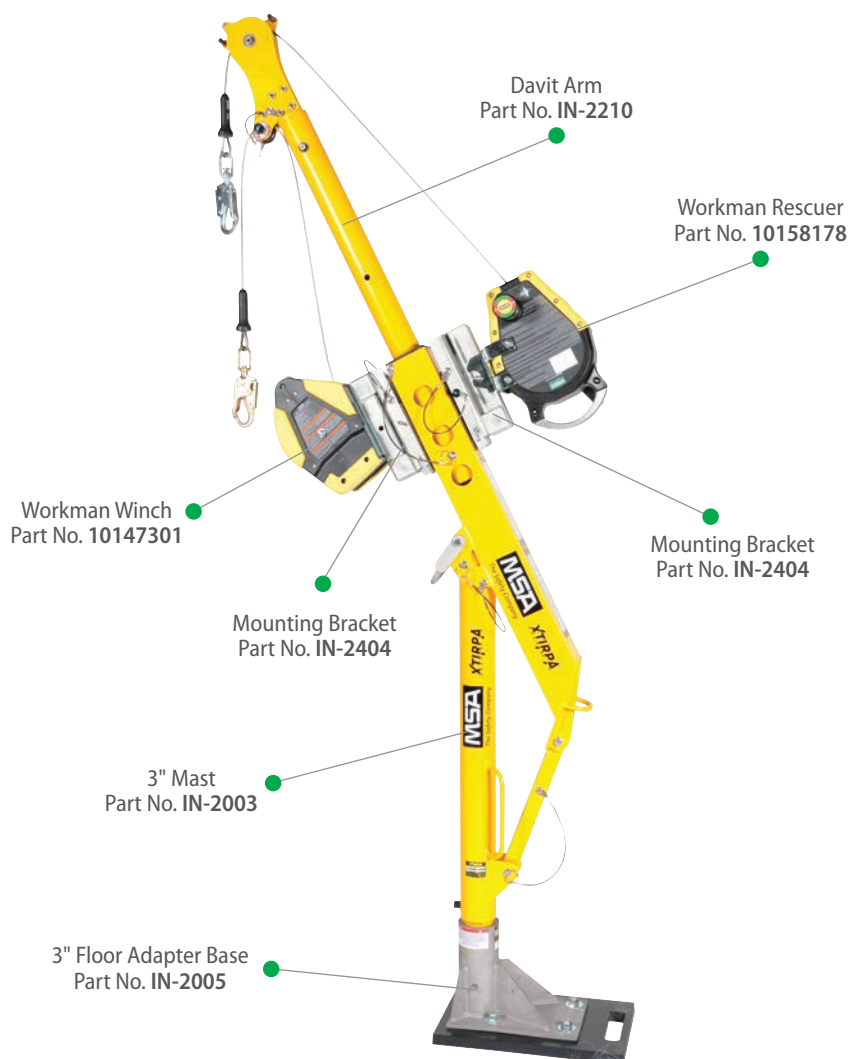
Adapter Base Systems are fixed anchorage connectors used for vertical entry into confined spaces. The adapter base is permanently affixed to an existing structure. The many different adapter base options can accommodate any work environment. This system is designed for work areas that require regular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

<b>3" Floor Adapter Base</b>		<b>P/N IN-2005</b> 304 stainless steel <b>P/N IN-2106</b> Zinc-plated <b>P/N IN-2311</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		Floor adapter base attaches to concrete or steel. Use with mast IN-2003 and davit arm IN-2210. Bolts not included.	
<b>3" Flush Floor Adapter Base</b>		<b>P/N IN-2006</b> 304 stainless steel <b>P/N IN-2114</b> Zinc-plated <b>P/N IN-2325</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Fresh Concrete Floor Adapter Base</b>		<b>P/N IN-2007</b> 304 stainless steel <b>P/N IN-2326</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Wall Adapter Base</b>		<b>P/N IN-2013</b> 304 stainless steel <b>P/N IN-2107</b> Zinc-plated <b>P/N IN-2327</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Mural Adapter Base with 8" Offset</b>		<b>P/N IN-2124</b> 304 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Mural Adapter Base with 14" Offset</b>		<b>P/N IN-2067</b> 304 stainless steel <b>P/N IN-2312</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Sleeve Adapter Base</b>		<b>P/N IN-2097</b> 304 stainless steel <b>P/N IN-2328</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Barrel Adapter Base</b>		<b>P/N IN-2021</b> 304 stainless steel <b>P/N IN-2129</b> Zinc-plated	<b>Meets OSHA Regulations</b>
		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.	
<b>3" Barrel Adapter Base 2" to 5"</b>		<b>P/N IN-2315</b> Zinc-plated	<b>Meets OSHA Regulations</b>
		Barrel adapter attached to walls between 2" and 5" thick. Commonly used on shoring boxes.	
<b>3" Exterior Corner Wall Adapter Base</b>		<b>P/N IN-2131</b> 304 stainless steel <b>P/N IN-2132</b> Zinc-plated	<b>Meets OSHA Regulations</b>
		Wall mount adapter base provides option for attaching mast adapter to exterior 90° corner wall. Bolts not included.	
<b>3" Interior Corner Wall Adapter Base</b>		<b>P/N IN-2133</b> 304 stainless steel <b>P/N IN-2134</b> Zinc-plated	<b>Meets OSHA Regulations</b>
		Wall mount adapter base provides the option for attaching a mast adapter to an interior 90 degree corner wall. Bolts not included.	
<b>Universal Ring Adapter</b>		<b>P/N IN-2087</b>	<b>Meets OSHA Regulations</b>
		Universal ring adapter is used on ceilings or walls with Pole Hoist System. Use horizontally or vertically. Bolts not included.	
<b>3" Center Mount Floor Adapter Base</b>		<b>P/N IN-2105</b> 304 stainless steel <b>P/N IN-2137</b> Zinc-plated <b>P/N IN-2329</b> 316 stainless steel	<b>Meets OSHA Regulations</b>
		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.	
<b>3" H-Beam Adapter Base</b>		<b>P/N IN-2085</b> 304 stainless steel	<b>Meets OSHA Regulations</b>
		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.	

# MSA Confined Space Entry Equipment

## Ordering Information

<b>3" Top Wall Adapter 90°</b>		<b>P/N IN-2117</b> 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.	<b>Meets OSHA Regulations</b>
<b>Mural Wall Angular Adapter</b>		<b>P/N IN-2314</b> Wall mounted winch adapter plate for use with IN-2087 anchor and confined space pulley and carabiner.	<b>Meets OSHA Regulations</b>
<b>Fall Arrest and Rescue Link Adapter</b>		<b>P/N IN-2271</b> 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.	<b>Meets OSHA Regulations</b>
<b>Wire Rope Link</b>		<b>P/N IN-2400</b> Wire rope to be used with IN-2271 fall arrest and rescue link adapter.	<b>Meets OSHA Regulations</b>
<b>Warning Post</b>		<b>P/N IN-2161</b> 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.	
<b>3" Adapter Cap</b>		<b>P/N IN-2072</b> 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.	
<b>3" Adapter Cap with SST Wire</b>		<b>P/N IN-2073</b> 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.	
<b>Reinforcement Plates</b>		<b>P/N P2006-006</b> Reinforcement plate for adapter IN-2006 304 stainless steel <b>P/N P2105-001</b> Reinforcement plate for adapter IN-2105 304 stainless steel <b>P/N P2005-001</b> Reinforcement plate for adapter IN-2005 304 stainless steel <b>P/N P2087-004</b> Reinforcement plate for adapter IN-2087 304 stainless steel <b>P/N P2013-008</b> Reinforcement plate for adapter IN-2013 304 stainless steel	
<b>Threaded Rod Kit 3/4-10 x 12"</b>		<b>P/N IN-2174</b> Kit comes with 4 12" stainless steel threaded rods for sandwich-type installation of adapters.	
<b>Threaded Rod Kit 3/4-10 x 16"</b>		<b>P/N IN-2212</b> Kit comes with 4 16" stainless steel threaded rods for sandwich-type installation of adapters.	
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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).	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>

## Manhole Cover Lifter

### Ordering Information

#### Ratchet Manhole Cover Lifter

#### Square J Hook

#### Medium Square Hook

#### Large J Hook



#### 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.

#### P/N P2071-021P

Square J hook used with ratchet manhole cover lifter IN-2071.

#### P/N P2071-022P

Medium square hook used with ratchet manhole cover lifter IN-2071.

#### P/N P2071-023P

Large J hook used with ratchet manhole cover lifter IN-2071.

## MSA XTIRPA Hitch Mount System

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

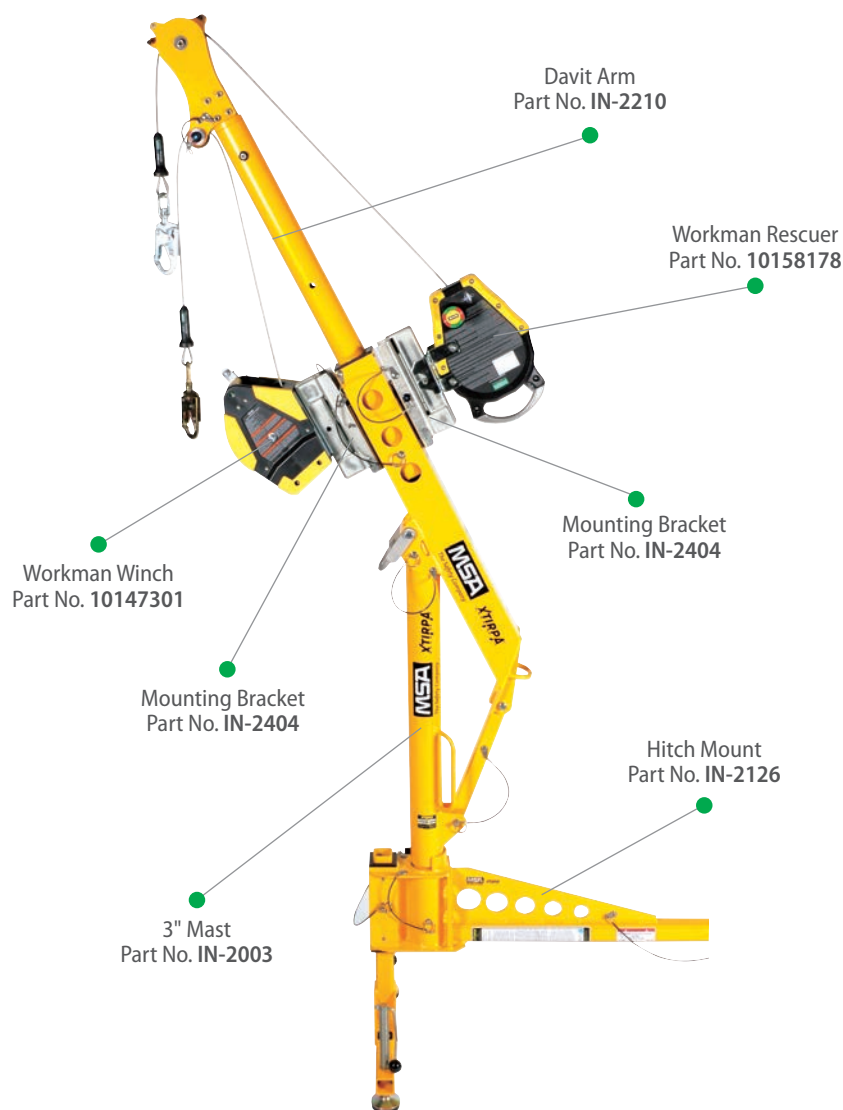
Hitch Mount Systems are portable anchorage connectors used for vertical entry into confined spaces. The hitch mount can be customized to accommodate a variety of confined space applications. The Hitch Mount System is commonly used with rescue vehicles for confined space rescue.

### 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 Xtirpa 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

<b>3" Hitch Mount with 24" Stabilizer</b>		<b>P/N IN-2126</b> 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.	<b>Meets OSHA Regulations</b>
<b>3" Hitch Mount with 60" Stabilizer</b>		<b>P/N IN-2204</b> 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.	<b>Meets OSHA Regulations</b>
<b>Universal Joint Assembly for Hitch Mount</b>		<b>P/N A2126-07</b> 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.	<b>Meets OSHA Regulations</b>
<b>90° Extension for Hitch Mount</b>		<b>P/N A2126-10</b> 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.	<b>Meets OSHA Regulations</b>
<b>C-Clamp Adapters for Hitch Mount</b>		<b>P/N A2126-14</b> 16" C-clamp <b>P/N A2126-33</b> 23.5" C-clamp C-Clamp for Hitch Mount Systems with 16" or a 8.5" -23.5" range.	<b>Meets OSHA Regulations</b>
<b>Anchor Bolt Adapter for Hitch Mount</b>		<b>P/N A2126-21</b> Portable anchor for hitch mounts IN-2126 or IN-2204.	<b>Meets OSHA Regulations</b>
<b>Universal Wall Adapter for Hitch Mount</b>		<b>P/N IN-2348</b> Universal wall adapter for hitch mount.	<b>Meets OSHA Regulations</b>
<b>Beam Adapter for Universal Wall Adapter</b>		<b>P/N A2348-08</b> Beam adapter for universal wall adapter IN-2348.	<b>Meets OSHA Regulations</b>
<b>90° Extensions for Universal Wall Adapter</b>		<b>P/N A2348-03</b> 8" extension for IN-2348 <b>P/N A2348-05</b> 16" extension for IN-2348 90° 8" or 16" extension for Universal Wall Adapter IN-2348.	<b>Meets OSHA Regulations</b>
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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). Unit weight: 30 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>

## MSA XTIRPA Adjustable Wall Adapter System

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

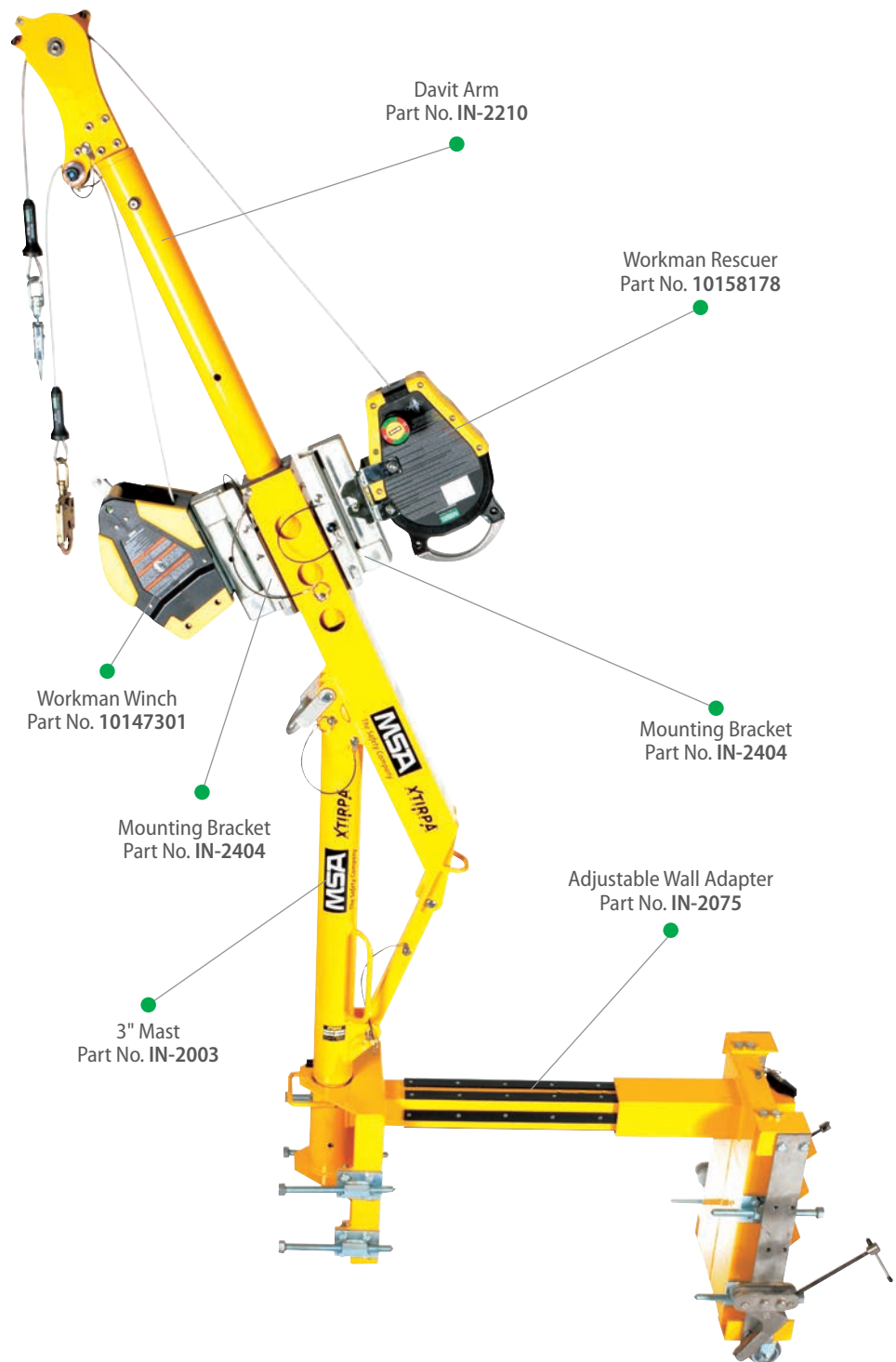
Adjustable Wall Adapter Systems are portable anchorage connectors used for vertical entry into confined spaces. The Adjustable Wall Adapters range from 6" to 45" to accommodate a wide range of confined space applications. This system is designed for frequent setup of confined space equipment.

### 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

<b>Davit Arm 24" Reach</b>		<b>P/N IN-2210</b> 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.	<b>Meets OSHA Regulations</b>
<b>3" Diameter Mast</b>		<b>P/N IN-2003</b> Mast for confined space fall protection and retrieval to be used in conjunction with 24" davit arm IN-2210 and any Xtirpa System mast base or system. 45" height. Unit weight 22 lbs.	<b>Meets OSHA Regulations</b>
<b>Mast Extension</b> (15", 18" or 24")		<b>P/N IN-2044</b> 15" Unit weight 20 lbs. <b>P/N IN-2109</b> 18" Unit weight 24 lbs. <b>P/N IN-2045</b> 24" Unit weight 26 lbs. Mast extension is constructed of painted steel and provides additional height when used with any mast base.	<b>Meets OSHA Regulations</b>
<b>Mast/Davit Arm</b> (18" or 9" reach)		<b>P/N IN-2295</b> 18" reach <b>P/N IN-2363</b> 9" reach Low clearance integrated mast and davit arm for use in any of 24" davit arm adapter bases when shorter clearance is needed.	<b>Meets OSHA Regulations</b>
<b>Adjustable Wall Adapter</b> (from 6" to 45")		<b>P/N IN-2008</b> 6"-15.75" <b>P/N IN-2168</b> 12"-24" <b>P/N IN-2075</b> 12"-31.5" <b>P/N IN-2125</b> 24"-45" <b>P/N IN-2251</b> 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.	<b>Meets OSHA Regulations</b>
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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' (20m). Unit weight: 30 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>

# 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.

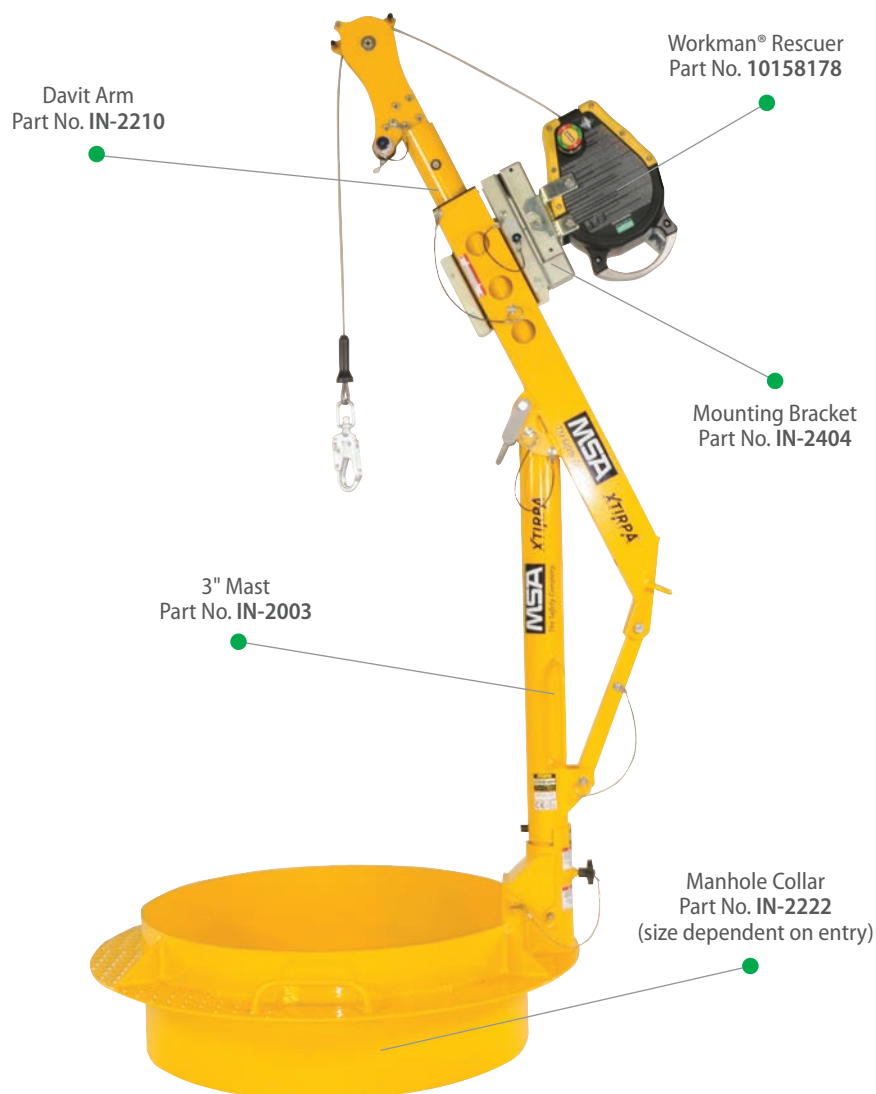
### Weight Capacity

**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 Xtirpa 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

<b>Mast/Davit Arm</b> (18" or 9" reach)		<b>P/N IN-2295</b> 18" reach <b>P/N IN-2363</b> 9" reach 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.	<b>Meets OSHA Regulations</b>
<b>Manhole Collar</b> (sizes are for diameter)		<b>P/N IN-2287</b> Fits 16–18" <b>P/N IN-2219</b> Fits 18–20" <b>P/N IN-2220</b> Fits 20–22" <b>P/N IN-2221</b> Fits 22–24" <b>P/N IN-2217</b> Fits 24–26" <b>P/N IN-2222</b> Fits 26–28" <b>P/N IN-2218</b> Fits 28–30" <b>P/N IN-2167</b> Fits 30–32" <b>P/N IN-2223</b> Fits 32–34" <b>P/N IN-2224</b> Fits 34–36" Provides portable adapter base for confined space system by fitting within manhole opening.	<b>Meets OSHA Regulations</b>
<b>Manhole Retaining Ring</b>		<b>P/N IN-2010</b> Retaining ring used to secure cone shaped safety ring IN-2009 to manhole.	
<b>Cone Shaped Safety Ring</b>		<b>P/N IN-2009</b> Cone shaped sealing safety ring used in conjunction with retaining ring IN-2010 to prevent liquids from entering confined space.	
<b>Manhole Collar Seat</b>		<b>P/N A2217-10</b> Seat can be attached to any manhole collar for added comfort when entering or working on a confined space entry point.	
<b>Hand Rail Attachment for Mast</b>		<b>P/N IN-2282</b> Adaptable hand rail for use with mast IN-2003 to provide easier entrance/exit from confined space. Unit weight 5.5 lbs.	
<b>Ladder Adapter for Manhole Collar</b>		<b>P/N A2217-05</b> 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.	
<b>Positioning Seat</b>		<b>P/N IN-2244</b> Positioning seat allows for comfortable entrance/exit of confined spaces. Seat attaches to winch cable.	
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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).	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>



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

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

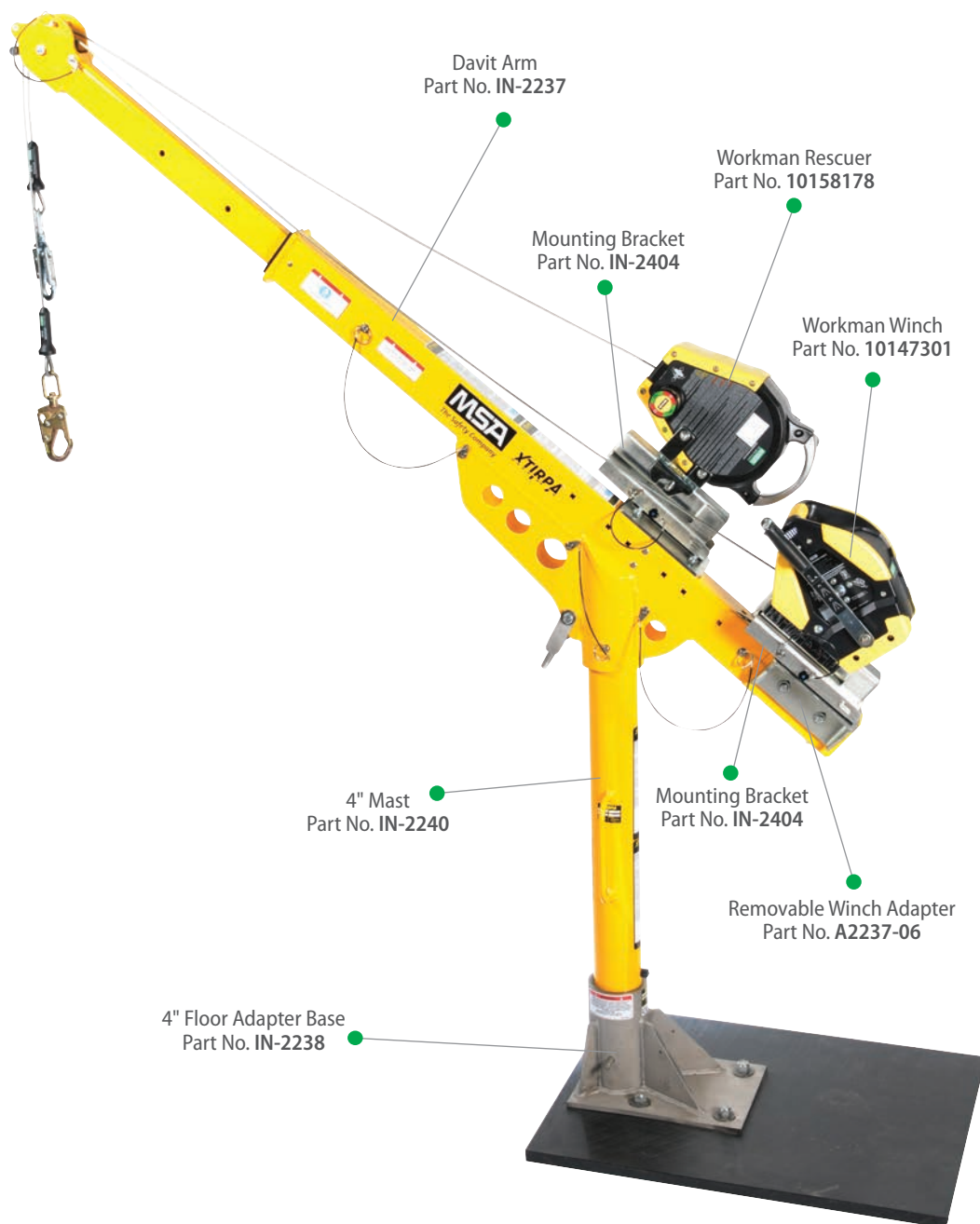
Adapter Base Systems are fixed anchorage connectors used for vertical entry into confined spaces. The adapter base is permanently affixed to an existing structure. The many different adapter base options can accommodate any work environment. This system is designed for work areas that require regular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

<b>Davit Arm 30" to 48" Reach</b>		<b>P/N IN-2237</b> 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.	<b>Meets OSHA Regulations</b>
<b>Removable Winch Adapter</b>		<b>P/N A2237-06</b> Removable winch adapter for 30-48" extendable davit arm IN-2237.	<b>Meets OSHA Regulations</b>
<b>4" Mast for Davit Arm (42" or 60")</b>		<b>P/N IN-2240</b> 42" Height <b>P/N IN-2313</b> 60" Height 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.	<b>Meets OSHA Regulations</b>
<b>4" Floor Adapter Base</b>		<b>P/N IN-2238</b> 304 stainless steel <b>P/N IN-2302</b> Zinc-plated 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.	<b>Meets OSHA Regulations</b>
<b>4" Mural Adapter Base</b>		<b>P/N IN-2253</b> 304 stainless steel <b>P/N IN-2303</b> Zinc-plated 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.	<b>Meets OSHA Regulations</b>
<b>4" Center Mount Floor Adapter Base</b>		<b>P/N IN-2254</b> 304 stainless steel <b>P/N IN-2304</b> Zinc-plated 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.	<b>Meets OSHA Regulations</b>
<b>4" Flush Floor Adapter Base</b>		<b>P/N IN-2266</b> 304 stainless steel 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.	<b>Meets OSHA Regulations</b>
<b>4" Sleeve Adapter Base</b>		<b>P/N IN-2255</b> 304 stainless steel 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.	<b>Meets OSHA Regulations</b>
<b>4" Adapter Cap</b>		<b>P/N IN-2272</b> 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.	
<b>4" Adapter Cap with SST Wire</b>		<b>P/N IN-2273</b> 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.	
<b>4" to 3" Cylinder Reducer with Cable</b>		<b>P/N A2238-03</b> Use with 4" diameter adapters to allow use of 3" mast IN-2003.	
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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). Unit weight: 30 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>

## MSA XTIRPA Pole Hoist System

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

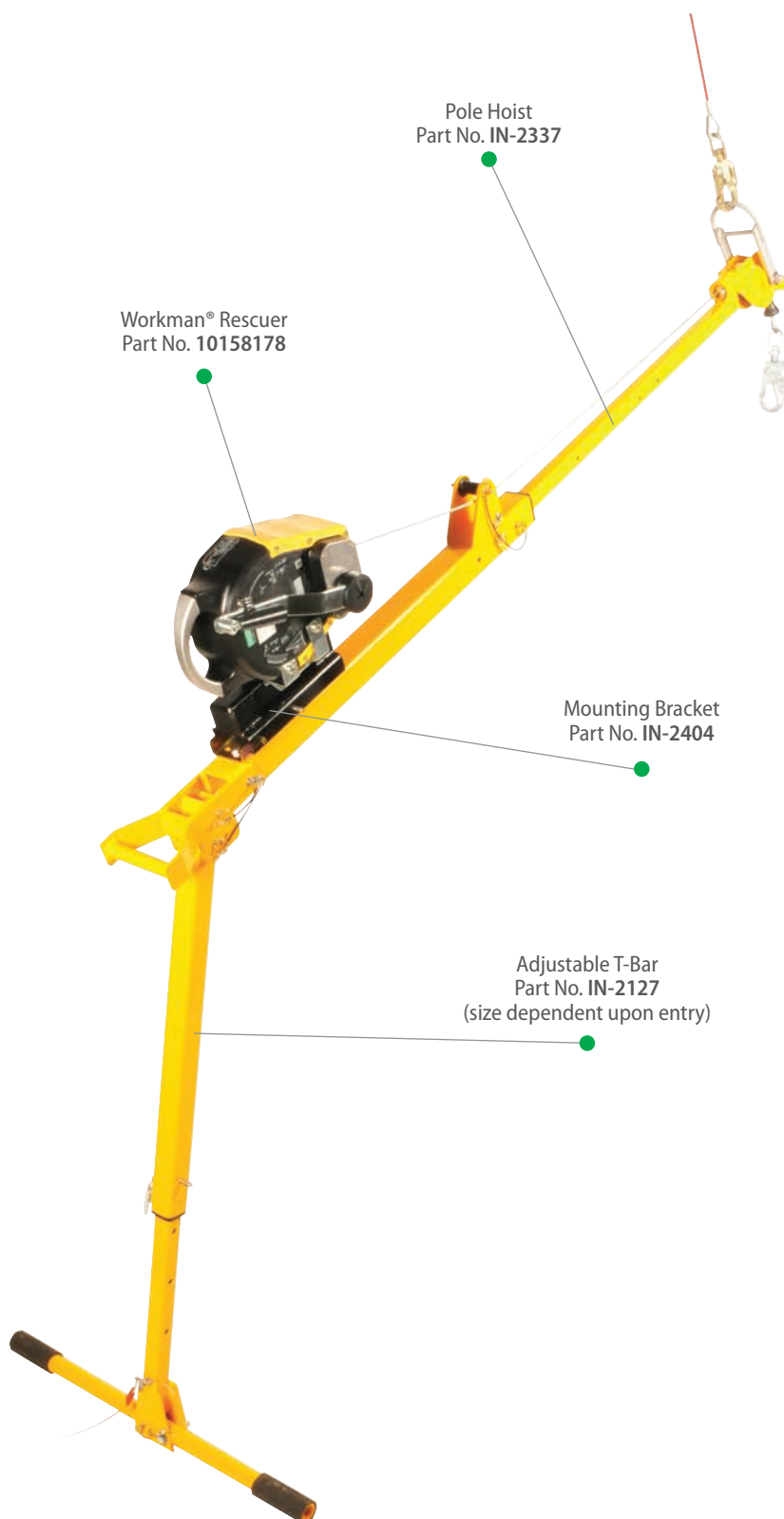
Pole Hoist Systems are portable anchorage connectors used for vertical and horizontal entry into confined spaces. When attached to an anchor point, the Pole Hoist provides retrieval and fall protection when limited overhead clearance is present. The Pole Hoist can also be configured for horizontal entry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

<b>Pole Hoist</b> (48–78" or 57–102")		<b>P/N IN-2337</b> 48–78" <b>P/N IN-2338</b> 57–102"	<b>Meets OSHA Regulations</b>
<b>Adjustable T-Bar</b> (48", 47–75" or 12–14")		<b>P/N IN-2127</b> 48" <b>P/N IN-2256</b> 47–75" <b>P/N IN-2274</b> 12–14"	<b>Meets OSHA Regulations</b>
<b>Flange Adapter for Lateral Entry</b>		<b>P/N IN-2242</b>	<b>Meets OSHA Regulations</b>
<b>Universal Ring Adapter</b>		<b>P/N IN-2087</b>	<b>Meets OSHA Regulations</b>
<b>Jib Adapter for Lateral Entry</b>		<b>P/N IN-2241</b>	<b>Meets OSHA Regulations</b>
<b>Workman Rescuer</b>		<b>P/N 10158178</b>	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b>	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b>	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b>	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b>	<b>Meets OSHA Regulations</b>

## MSA XTIRPA Counter Weight System

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

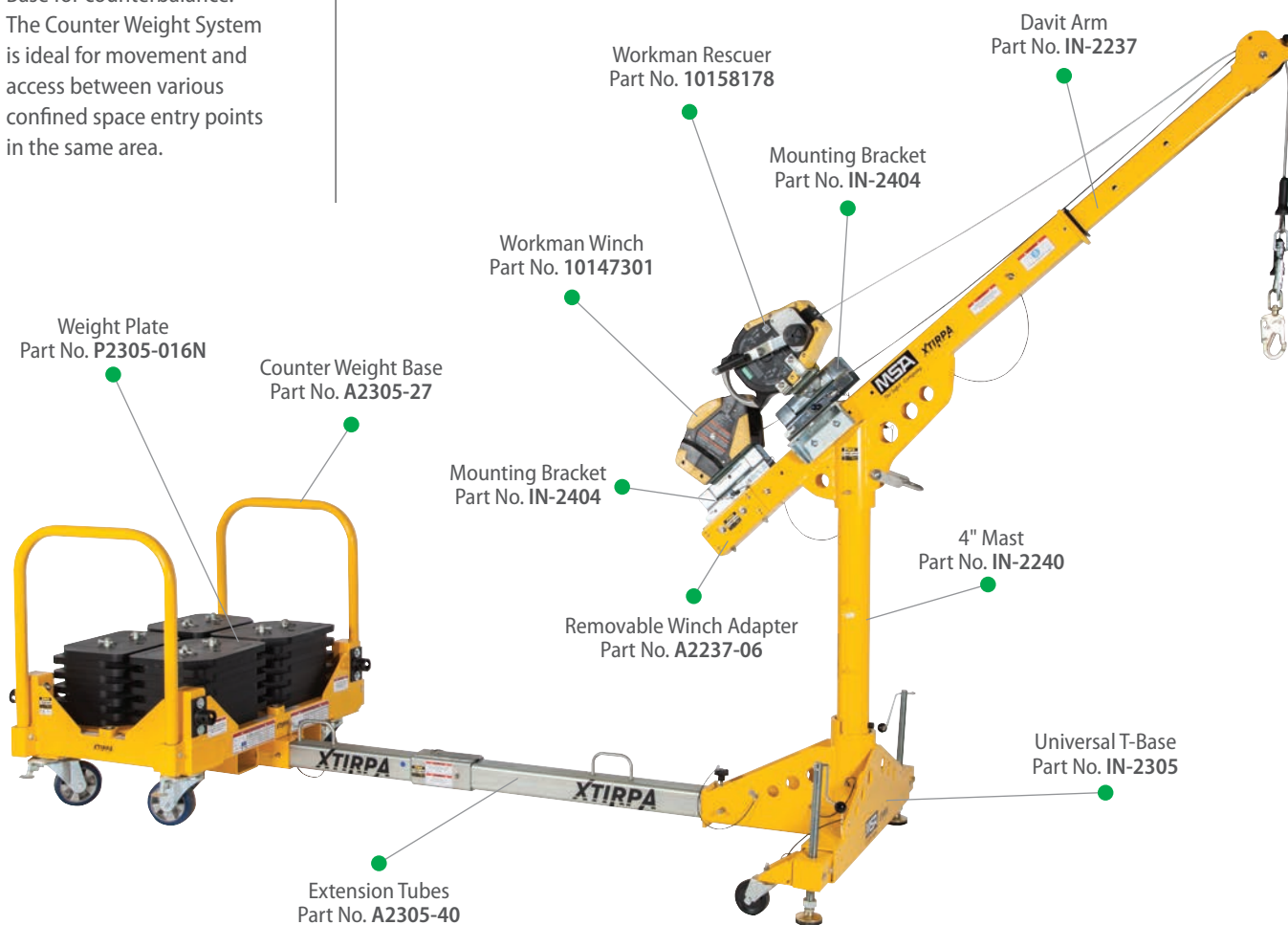
Counter Weight Systems are portable anchorage connectors used for vertical entry into confined spaces. The Counter Weight System is to be used with the Counter Weight Base for counterbalance. The Counter Weight System is ideal for movement and access between various confined space entry points in the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

<b>Davit Arm 30" to 48" Reach</b>		<b>P/N IN-2237</b> 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.	<b>Meets OSHA Regulations</b>
<b>Removable Winch Adapter</b>		<b>P/N A2237-06</b> Removable winch adapter for 30-48" extendable davit arm IN-2237.	<b>Meets OSHA Regulations</b>
<b>4" Mast for Davit Arm (42" or 60")</b>		<b>P/N IN-2240</b> 42" Height <b>P/N IN-2313</b> 60" Height 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.	<b>Meets OSHA Regulations</b>
<b>Universal T-Base for 4" Mast</b>		<b>P/N IN-2305</b> 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.	<b>Meets OSHA Regulations</b>
<b>Counter Weight Base</b>		<b>P/N A2305-27</b> 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.	<b>Meets OSHA Regulations</b>
<b>Weight Plate, 50lb</b>		<b>P/N P2305-016N</b> 50 lb. weight plate for use on counter weight base A2305-27. 40 plates required for counter weight base.	
<b>T-Base Extension, 72" with 2.5" Receiver</b>		<b>P/N A2305-16</b> 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.	<b>Meets OSHA Regulations</b>
<b>Reducer 2.5 to 2" for T-Base Extension</b>		<b>P/N A2305-20</b> Reducer used with 72" extension A2305-16. Allows T-base extension to fit into 2" vehicle hitch.	
<b>Extension Tubes 96" for Counter Weight Base</b>		<b>P/N A2305-40</b> 96" extension tube for counter weight base.	<b>Meets OSHA Regulations</b>
<b>T-Base Reducer for 72" Extension</b>		<b>P/N A2305-25</b> T-base reducer for 72" extension A2305-16.	
<b>90 Degree Extension for Universal T-Base for 4" Mast</b>		<b>P/N A2305-29</b> 90° extension for universal T-base for 4" mast IN-2305.	<b>Meets OSHA Regulations</b>
<b>Workman Rescuer</b>		<b>P/N 10158178</b> Fast, easy and intuitive fall protection with integral bi-directional retrieval capability. Stainless steel cable, 50 ft. (16m). Unit weight: 34 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Workman Winch</b>		<b>P/N 10147301</b> 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). Unit weight: 30 lbs.	<b>Standards: ANSI Z359.14, OSHA</b>
<b>Mounting Bracket (Workman)</b>		<b>P/N IN-2404</b> Mounting bracket for Workman Rescuer and Workman Winch.	<b>Meets OSHA Regulations</b>
<b>Dynevac II System</b>		<b>P/N 10007782</b> Fast, easy and intuitive fall protection with an integral bi-directional retrieval capability. Stainless steel cable, 50' (16m).	<b>Standards: CSA Z259.2.2, OSHA</b>
<b>Mounting Bracket (Dynevac II System)</b>		<b>P/N IN-2151</b> Mounting bracket for Dynevac II System.	<b>Meets OSHA Regulations</b>



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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