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#### **Features and Benefits**

Portable Manhole Guard Davit System
Tow Bar Hitch Davit Systems
H-Base Davit System
Fixed Davits
Counterweight System
Accessories
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# Features and Benefits of the SpanSet Xtirpa System





#### **Innovative Design**

The only patented system on the market that will allow you to install a davit arm om a manhole guard for rescue purposes.

#### Lightweight

- Manhold guard
- Davit arm 10.5kg
- Davit mast 10kg.

Using an aluminium composite (Duralcan®), the system has a maximum safe working load of 190.5kg

#### **Ergonomic Design**

The system can be easily transported and installed by one person. Set up is safe, easy and can be done in minutes.

#### **More Versatile**

The system is designed for multiple use, using different combinations of components to adapt for use in most kinds of confined spaces.

#### **Easy Storage**

No vehicle modifications are required and as the units are so compact they don't take up much storage space.

#### **Cost Effective**

The system's universality will save inventory costs, and as it reduces the incidence of back, shoulder and elbow injuries it will reduce pay outs on worker's compensation and time away from the workplace.

#### **Built to Last**

The aluminium composite used to build the system is highly corrosion resistant and has been independently tested.

# Higher Rates of Compliance to Safety Regulations

Owing to the system's simple, safe and quick installation, employers will be able to implement safe working practices easily.

#### **Patents**

- European 1490287
- United States 7213715
- Canadian 2479513
- Other patents pending.

#### Compliance

 Meets of exceeds applicable ANSI, OSHA, CSST and CE Standards.



Features and Benefits

#### Portable Manhole Guard Davit System

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# Portable Manhole Guard Davit System

These portable manhole guards have an integrated mast which, used in conjunction with a davit arm SPXTIN2210, transforms these systems into confined space fall protection and retrieval systems.

These systems will facilitate your access to underground chambers or any other type of confined space where a portable manhole guard is needed.

With a capacity of 191kg (safety factor 10:1) this systems meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.

#### Fall Protection and Retrieval Davit Arm with Secondary Block

The fall protection and retrieval davit arm with secondary block will facilitate your access to underground chambers and any other confined space. Light, reliable and easy to install, this versatile davit arm can be used not only with the Portable Manhole Guard but also with the Tow Bar Hitch System, the H-Base System and the Mast Systems.

Its weight of only 15kg provides a capacity of 163kg when used with a Mast System, and a capacity of 191kg when used with the Manhole Guard System. With a 10:1 safety factor it is also equipped with a required 2,268kg anchor point requested by safety regulations and meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.

The system is infinitely expandable with the addition of extra barricade sections.





Features and Benefits

# Portable Manhole Guard Davit System

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#### **SPXTIN2108 Manhole Guard**

Maximum Working Load with Davit Arm SPXTIN2210	191kg
Maximum Capacity at Anchorage Point	22.2kN
Weight	13kg
Corner Mast Length	113.7cm
Height	105.7cm
Length	98cm
Depth	99.1cm
Structural Tubes	Duralcan Aluminium
Levelling Screws	Stainless Steel Rubber
Hardware	Zinc Plated Steel
Finish	Security Yellow

#### SPXTIN2210 Davit Arm

Working Load Mass with Manhole Guard SPXTIN2108	191kg
Maximum Capacity with Lifeline Winch & Barricade - Position 1 and 2	19kN
Maximum Capacity with Material Handling - Position 3	9.5kN
Maximum Capacity at Anchorage Point	22kN
Weight	15kg
Length When Opened	203cm
Length When Closed	132cm
Extension and Guide Tubes	Aluminium
Davit Arm Link	Aluminium
Anchorage Hooks	Stainless Steel
Hardware	Zinc PlatedSteel
Guide Tube Sliders	Ultra High Molecular-weight Polyethylene
Pulley	Black Acetal
Finish	SecurityYellow

# Portable Manhole Guard Davit System



Features and Benefits

#### Portable Manhole Guard Davit System

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# Portable Manhole Guard Davit System



SPXTIN2108-18 - Stabiliser for 1060mm Portable Manhole Guard



SPXTIN52 - Manhole Guard Repositioning Wheels



#### SPXTIN2108-18 1060mm Stabiliser

Weight	2kg
Height	46.6cm
Width	52.1cm
Depth	37.4cm
Structural Tubes	Duralcan Aluminium
Levelling Screws	Stainless Steel Rubber
Hardware	Zinc Plated Steel
Finish	Security Yellow

#### **SPXTIN52 - Repositioning Wheels**

Weight	17.5kg
Height	500mm
Width	650mm
Depth	700mm
Structural Tubes	Rectangular Sectioned Steel
Wheels	Ball Bearing No-Flat Rubber
Finish	Black Powder Coated







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Features and Benefits
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## Tow Bar Hitch Davit System

#### **SPXTIN2210 Davit Arm**

See Portable Manhole Guard Davit System for specifications

#### **SPXTIN2003 Mast**

Working Load Mass with Davit Arm SPXTIN2210	164kg
Maximum Capacity with Davit Arm SPXTIN2210	16kN
Weight	10kg
Mast Material	Aluminium
Anchorage Plates	Aluminium
Finish	Security Yellow

#### **SPXTIN2126 Tow Bar Hitch Mount**

Working Load Mass with Mast SPXTIN2003 and Davit Arm SPXTIN2210	164kg
Maximum Capacity with Mast and Davit Arm SPXTIN2210	16kN
Hitch Vehicle Minimum Weight	2727kg
Weight	14kg
Extensions	Aluminium
Mast Sleeve	Aluminium
Extension Sliders	Black Delrin
Positioning Levels and Hardware	Zinc Plated Steel
Positioning Pads	Aluminium
Finish	Security Yellow



SPXTIN2003 - Davit Mast

Features and Benefits Portable Manhole Guard Davit System

**Tow Bar Hitch Davit Systems** 

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## 600mm Tow Bar Hitch Davit System



#### SPXTIN2210 Davit Arm

See Portable Manhole Guard Davit System for details

#### SPXTA2126-21 Anchor Bolt Adaptor

Maximum Capacity	164kg
Maximum Working Moment	0.95kN/m
Maximum Moment	0.95kN/m
Weight	15kg
Principal Body and Guide	Zinc Plated Stainless Steel
Hardware	Steel
Plate Support	Steel

SPXTA2126-21 - Anchor Bolt Adaptor for Trailer Hitch Mount



SPXTA2126-07 - Universal Joint for Trailer Hitch Mount







Features and Benefits Portable Manhole Guard Davit System

#### **Tow Bar Hitch Davit Systems**

H-Base Davit System
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#### SPXTA2126-10 90° Extension

Weight	29kg
Length	132cm
Working Height	35.6cm
Width	5.1cm <sup>2</sup>
Material	Steel
Finish	Security Yellow

#### **SPXTA2126-09 Straight Extension**

Weight	14kg
Length	193.7cm
Width	5.1cm <sup>2</sup>
Material	Steel

#### **SPXTA2126-07 Universal Joint**

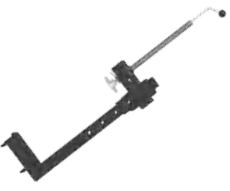
Weight	3.6kg
Length	28.5cm
Width	5.08cm <sup>2</sup>
Material	Steel



## 600mm Tow Bar Hitch Davit System



SPXTA2126-10 - 90 Degree Extension for Trailer Hitch Mount



SPXTIN2126-14 - C Clamp Adapter for Trailer Hitch Mount

Features and Benefits Portable Manhole Guard Davit System

**Tow Bar Hitch Davit System** 

H-Base Davit Systems
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## 1200mm Tow Bar Hitch Davit System





Features and Benefits

Portable Manhole Guard Davit System

#### **Tow Bar Hitch Davit System**

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#### **SPXTIN2305 Universal T-Base**

Working Load Mass with Mast SPXTIN2240and Davit Arm SPXTIN2237	164kg
Maximum Capacity with Mast SPXTIN2240 and Davit Arm SPXTIN2237	16kN
Hitch Vehicle Minimum Weight	2727kg
Weight	33kg
Extensions	Aluminium
Mast Sleeve	Aluminium
Extension Sliders	Black Delrin
Positioning Levels and Hardware	Zinc Plated Steel
Positioning Pads	Aluminium
Finish	Security Yellow

# Davit System SPXTIN2305 - Universal T-Base Mount

1200mm Tow Bar Hitch



#### SPXTIN2240 Mast

Maximum Working Load with Davit Arm SPXTIN2237	164kg	
Maximum Capacity with Davit Arm SPXTIN2237	16kN	
Weight	11kg	
Mast	Aluminium	
Handle	Aluminium	
Finish	Security Yellow	

#### SPXTIN2237 1200mm Davit Arm

Maximum Working Load with Mast SPXTIN2240	164kg
Maximum Capacity with Mast SPXTIN2240	16kN
Maximum Capacity at Anchor Point	22kN
Weight	16kg
Extension and Guide Tubes	Aluminium
Anchorage Hooks	Stainless Steel
Hardware	Zinc Plated Stainless Steel
Guide Tube Sliders	Ultra High Molecular-weight Polyethylene
Pulley	Black Acetal
Finish	Security Yellow



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#### **H-Base Davit System**

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## H-Base Davit System

This three-piece hoist system was designed to be used in conjunction with the davit arm SPXTIN2210 and the mast SPXTIN2003 that are common to the three davit systems. The portable lower base with adjustable feet to fit most standard confined spaces. It offers a solution for the entry, rescue and positioning of personnel.

The combination of davit arm and mast allows the operator to pivot the system for easier and safer rescue. Durable and versatile, the system has a capacity of 164kg and has a safety factor of 10:1 and meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.



SPXTIN2003 - Davit Mast

#### **SPXTIN2210 Davit Arm**

See Tow Bar Hitch Davit System for specifications

#### SPXTIN2003 Mast

See Tow Bar Hitch Davit System for specifications

#### SPXTIN2118 H-Base

Maximum Working Load with Mast and Davit Arm SPXTIN2210	164kg
Maximum Capacity with Mast and Davit Arm	16kN
Weight	36.82kg
Extensions	Aluminium
Mast Sleeve	Aluminium
Suspension and Anchor Points	Aluminium
Extension Sliders	PVC Pipe
Positioning Levels and Hardware	Zinc Plated Stainless Steel
Positioning Pads	Aluminium
Finish	Security Yellow



SPXTIN2210 - Davit Arm





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Portable Manhole Guard Davit System
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### **H-Base Davit System**

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Features and Benefits Portable Manhole Guard Davit System Tow Bar Hitch Davit Systems H-Base Davit System

#### **Fixed Davits**

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# Low Clearance Integrated Mast and Davit Arm

This low clearance davit with an integrated mast and davit arm is designed for use in any of the 610mm adapter bases. Ideal for when a shorter clearance is required. The unit weighs 7kg and has a weight capacity of 163kg, is 915mm in height and has a 460mm reach.

SPXTIN2295 Low Clearance Mast and Davit



SPXTIN2363 Short Reach Mast and Davit

## SpanSet Xtirpa Short Reach Mast and Davit Arm

Low clearance integrated mast and davit arm for use in any of the 610mm adapter bases when a shorter clearance is needed. The unit weighs 7kg, is 915mm high and has a 229mm reach.

## 600mm Davit Mast and Base Kit

This unique, adjustable davit system was developed to allow workers greater versatility, with the mast adapter permanently fixed to a structure and the davit arm and mast moved around as required. Ensuring easy and safe access into a wide variety of confined spaces this davit is easily positioned from 380mm,

450mm and 600mm. The davit's versatility offers a solution where other conventional systems are impractical.

With a safety factor of 10:1 the davit meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.

Code	Description	Min Reach	Max Reach	Max Height
SPXT24	600mm Davit, Mast and Base kit	385mm	601mm	2992mm
SPXTIN2210	600mm Davit Arm			
SPXTIN2003	Standard Mast	_	_	_
SPXTIN2044	380mm Mast Extension	_		3372mm
SPXTIN2109	450mm Mast Extension			3442mm
SPXTIN2045	600mm Mast Extension			3592mm
SPXTIN2005	Stainless Steel Floor Adapter			

#### **SPXTIN2210 Davit Arm**

See Tow Bar Hitch Davit System for details

#### SPXTIN2003 Mast

See Tow Bar Hitch Davit System for details





Features and Benefits Portable Manhole Guard Davit System Tow Bar Hitch Davit Systems H-Base Davit System

#### **Fixed Davits**

Counterweight System
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## 600mm Davit Mast and Base Kit



#### **SPXTIN2005 Stainless Steel Floor Adapter**

Maximum Working Moment	0.97kN
Maximum Moment	13.5kN
Weight	10kg
Plate and Gussets	Stainless Steel
Sleeve	Stainless Steel
Sleeve Bearing	Acetal Black Delrin
Pin	Zinc Plated Stainless Steel
Lanyard	Nylon Covered Steel Cable

#### SPXTIN2044 380mm/450mm/600mm Mast Extensions

Maximum Working Load with Davit Arm SPXTIN2210	164kg
Maximum Capacity with Davit Arm SPXTIN2210	16kN
Weights	9kg/11kg/12kg
Cylinder and Sleeve	Steel DOM 1026
Pin	Zinc Plated Stainless Steel
Lanyard	Nylon Covered Steel Cable
Finish	Security Yellow





SPXTIN2005 - Stainless Steel Floor Adapter

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#### **Fixed Davits**

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## 1200mm Davit Mast and Base Kit

This unique, adjustable davit system was developed to allow workers greater versatility, with the mast adapter permanently fixed to a structure and the davit arm and mast moved around as required.

Ensuring easy and safe access into a wide variety of confined spaces this davit is easily positioned from 775mm, 915mm and 1200mm. The davit's versatility offers a solution where other conventional systems are impractical.

With a safety factor of 10:1 the davit meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.



SPXTIN2240 - Davit Mast

Code	Description	Min Reach	Max Reach	Max Height
SPXT48	1200mm Davit, Mast and Base Kit	775mm	1200mm	2224mm
SPXTIN2237	1200mm Davit Arm			
SPXTIN2240	Mast		_	
SPXTIN2238	Stainless Steel Floor Adapter	_	-	
SPXTIN2238	Stainless Steel Floor Adapter		_	

#### SPXTIN2237 1200mm Davit Arm

Maximum Working Load with Mast SPXTIN2240	164kg
Maximum Capacity with Mast SPXTIN2240	16kN
Maximum Capacity at Anchor Point	22kN
Weight	22.5kg
Extension and Guide Tubes	Aluminium
Anchorage Hooks	Stainless Steel
Hardware	Zinc Plated Stainless Steel
Guide Tube Sliders	Ultra High Molecular-weight Polyethylene
Pulley	Black Acetal
Finish	Security Yellow

#### SPXTIN2240 Mast

Maximum Working Load with Davit Arm SPXTIN2237	164kg
Maximum Capacity with Davit Arm SPXTIN2237	16kN
Weight	11kg
Mast	Aluminium
Handle	Aluminium
Finish	Security Yellow



Features and Benefits Portable Manhole Guard Davit System Tow Bar Hitch Davit Systems H-Base Davit System

#### **Fixed Davits**

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## 1200mm Davit Mast and Base Kit



Features and Benefits Portable Manhole Guard Davit System Tow Bar Hitch Davit Systems H-Base Davit System

#### **Fixed Davits**

Counterweight System Accessories Access and Rescue Equipment



## 2400mm Davit Mast and Base Kit

This unique, adjustable davit system was developed to allow workers greater versatility, with the mast adapter permanently fixed to a structure and the davit arm and mast moved around as required.

Ensuring easy and safe access into a wide variety of confined spaces this davit is easily positioned from 1525mm to 2430mm. The davit's versatility offers a solution where other conventional systems are impractical.

With a safety factor of 10:1 the davit meets or exceeds CSA, ANSI, OSHA, CSST and CE Standards.

Code	Description	Min Reach	Max Reach	Max Height	
SPXT96	2400mm Davit, Mast and Base Kit	1525mm	2430mm	2785mm	
SPXTIN2197	2400mm Davit Arm	_	_	_	
SPXTIN2199	Mast		_		
SPXTIN2201	Stainless Steel Floor Adapter		_		
SPXTIN2238	Stainless Steel Floor Adapter		_		



#### **SPXTIN2197 Davit Arm**

Maximum Working Load with Winch and Mast SPXTIN2199	164kg
Position 1 or 2	
Maximum Capacity Material Handling with Mast SPXTIN2199	16kN
Position 1 or 2	
Maximum Capacity at Anchor Point	22kN
Weight	63kg
Length When Opened	203cm
Length When Closed	132cm
Extension and Guide Tubes	Aluminium
Davit Arm Link	Aluminium
Anchorage Hooks	Stainless Steel
Hardware	Zinc Plated Steel
Buide Tube Sliders	Ultra High Molecular-
builde tube Stidets	weight Polyethylene
Pulley	Black Acetal
Finish	Security Yellow



Features and Benefits Portable Manhole Guard Davit System Tow Bar Hitch Davit Systems H-Base Davit System

#### **Fixed Davits**

Counterweight System Accessories Access and Rescue Equipment

## 2400mm Davit Mast and Base Kit



Finish

SPXTIN2201	<b>Stainless</b>	Steel	Floor	Adapter

Maximum Working Moment	3.9kN
Maximum Moment	39kN
Weight	30kg
Plate and Gussets	Stainless Steel
Sleeve	Stainless Steel
Sleeve Bearing	PVC Pipe

164kg

16kN

Security Yellow

Features and Benefits
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#### **Counterweight System**

Accessories
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## Counterweight System

This counterweight system is designed for multiple confined space access in the same area where the extra reach of the 1200mm davit arm is required. Additionally, it can be used in areas where a fixed base is not possible.

The system consists of a central unit to which a number of optional equipment can be added, including extensions, leg adjustment and anchoring options.

With a weight capacity of 163kg this system can be used in conjunction with a counter-balancing weight rack or a wheel pad assembly when using a vehicle. The davit arm has a 2270kg anchor point.

SPXTIN2237 - Extendable Arm for 1200mm Davit



SPXTA2237-06 - Removable Adapter for Positioning Winch



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#### **Counterweight System**

Accessories
Access and Rescue Equipment

# Counterweight System

#### **Optional Accessories**



#### **Required Components**





SPXTP2305-16n - 23kg Counterweight Weight Plates



 ${\sf SPXTA2305\text{-}23}\ {\sf Counterweight}\ {\sf Base}\ {\sf Extension}\ {\sf Tube}$ 

