

**New!**

# MILLER **DuraHoist™**

**SAFETY SYSTEMS**

**Portable Confined  
Space System**



**Portable  
Fall Arrest Post**



**Confined Space  
Entry/Retrieval  
& Fall Arrest**

**MILLER®**  
by SPERIAN

# MILLER *DuraHoist*<sup>TM</sup> SAFETY SYSTEMS



## **Miller DuraHoist Portable Confined Space System**

Designed for manhole and confined space entry/retrieval and fall arrest applications. The modular design allows the use of components in various configurations and applications. Multiple winches and/or lifeline systems may be mounted as required. Lightweight, manageable components for easy storage, transport and set-up. No tools required for assembly.

### PAGE

Complete Four-Piece Hoist/Winch System .....	3
Adjustable Mast Options .....	3
Portable & Fixed Base Options .....	4
Vehicle Hitch Mounts .....	5
Winch & Hoist Mounting Brackets .....	5
Accessories .....	5



## **Miller DuraHoist Portable Fall Arrest Post & Accessories**

Provides three independent swivel tie-off points for fall arrest anchorage. Three-stage/four-position telescoping design and aluminum construction for easy transportation and set-up. The leveling screws allow the system to be plumbed to vertical for proper working stability on inclines up to 15 degrees. The post also provides Horizontal Lifeline (HLL) capabilities using the HLL Anchor Ring.

### PAGE

Portable Fall Arrest Post & Extension Post .....	6
Rescue/Material Handling Davit Arm .....	6
Miller TechLine <sup>TM</sup> Temporary Horizontal Lifeline Kits .....	7
Anchor Base & Anchor Plates .....	7
Winch & Hoist Mounting Brackets .....	7
Accessories .....	7



## **Hoists/Winches**

### PAGE

Miller ManHandler <sup>®</sup> Hoists .....	Back Cover
Miller MightEvac <sup>®</sup> Self-Retracting Lifelines (SRL) w/Emergency Retrieval Hoist .....	Back Cover

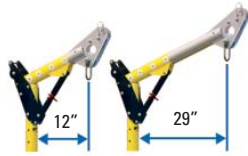
Meets all applicable OSHA and ANSI standards.



## Complete Four-Piece Hoist/Winch System

- Designed for manhole and confined space entry/retrieval and fall arrest applications
- System breaks down into four lightweight aluminum components for easy storage, transport and set-up. No tools required for assembly.
- Modular design allows the use of various fixed and portable bases and an optional mast with extensions. Multiple winches and and/or lifeline systems may be mounted as required.
- Suggested Applications:
  - Public Utilities: Vault and manhole entry, pump/lift/valve stations, water treatment and wastewater industries
  - General Industry (Food, Chemical, Pulp & Paper): Elevated manholes, storage tanks, platforms/mezzanines, underground vaults, clarifier tanks, pre-heaters

**Overall system height adjusts from 79-in. (2.01m) to 100-in. (2.54m)**  
**Mast offset adjusts from 12-in. (.30m) to 29-in. (.74m)**



■ Four-piece system with ManHandler hoist/winch  
**DH-1/**

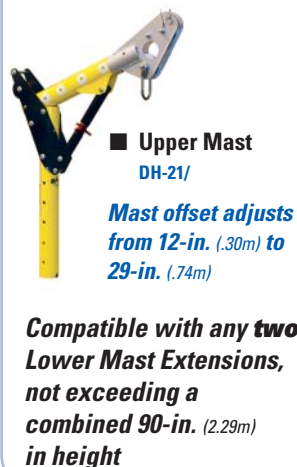
SKU	Description	Weight
DH-1/	Four-piece system with ManHandler hoist/winch w/65-ft. (20m) of 3/16-in. (4.76mm) galvanized steel cable	133.5 lbs. (60.6kg)
DH-2/	Four-piece system without ManHandler hoist/winch	91 lbs. (41.3kg)

## Adjustable Mast Options

### One-Piece Adjustable Mast



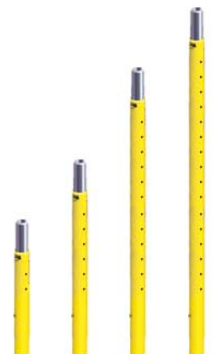
### Two-Piece Adjustable Mast



### Lower Mast Extensions

**Extensions provide the flexibility to change overall mast height from 41-in. (1.04m) to 146-in. (3.71m)**

- **21-in. (.53m) Lower Mast Extension**  
**DH-22/21**
- **33-in. (.84m) Lower Mast Extension**  
**DH-22/33**
- **45-in. (1.14m) Lower Mast Extension**  
**DH-22/45**
- **57-in. (1.45m) Lower Mast Extension**  
**DH-22/57**



SKU	Description	Weight
DH-3/	One-Piece Adjustable Mast	29 lbs. (13.2kg)
DH-21/	Upper Mast	23 lbs. (10.4kg)

SKU	Description	Weight
DH-22/21	21-in. (.53m) Lower Mast Extension	14 lbs. (6.4kg)
DH-22/33	33-in. (.84m) Lower Mast Extension	17 lbs. (7.7kg)
DH-22/45	45-in. (1.14m) Lower Mast Extension	20 lbs. (9.1kg)
DH-22/57	57-in. (1.45m) Lower Mast Extension	23 lbs. (10.4kg)



# Miller DuraHoist™ Portable Confined Space System

## Portable & Fixed Base Options

All of the following bases are compatible with all Adjustable Mast Options. All base options include PVC liner.



### ■ Three-Piece Portable Base DH-4/

Three lightweight aluminum components for easy transport. Features adjustable aluminum screws and a built-in level indicator for easy set-up on uneven surfaces. No tools required for assembly.



### ■ Barrel Mount Sleeve w/3.5-in. (.09m) Opening DH-5/

Eight independent clamping screws allow temporary installations over edges of shoring cans, walls and other structures.



### ■ Adjustable Barrel Mount Sleeve DH-6/

Designed for shoring, wall and parapet applications where frequent set-up over varying wall thicknesses is required. Accommodates wall thicknesses up to a max. of 24-in. (.61m).



### ■ Floor Mount Sleeve DH-72P/ & DH-7SS/

Mounts to horizontal concrete or steel structures.



### ■ Wall Mount Sleeve DH-82P/ & DH-8SS/

Mounts to vertical concrete or steel structures. Compact design creates minimal intrusion into work space.



### ■ Core Mount Sleeve DH-92P/ & DH-9SS/

Designed for slip-in installation into a 4-in. (.10m) diameter core hole in concrete or in an existing steel structure.



### ■ Manhole Collar DH-11/

Designed for applications involving frequent set-ups over similarly-sized access openings. Simply slip collar into sewer manhole, tank hatch or other opening.



### ■ Flush Floor Mount Sleeve DH-202P/ & DH-20SS/

Eliminates the potential trip hazard presented by other floor mount sleeves. Installs into a 4-in. (.10m) diameter core hole in concrete or in an existing steel structure.

SKU	Description	Weight
DH-4/	Three-Piece Portable Base, Lightweight Powder-coated Aluminum	61 lbs. (27.7kg)
DH-5/	Barrel Mount Sleeve w/3.5-in. (.09m) Opening, Zinc-plated, Mild Steel	36 lbs. (16.3kg)
DH-6/	Adjustable Barrel Mount Sleeve, Anodized Welded Aluminum w/Zinc-plated Steel Hardware	56 lbs. (25.4kg)
DH-72P/	Floor Mount Sleeve, Zinc-plated, Mild Steel	13 lbs. (5.9kg)
DH-7SS/	Floor Mount Sleeve, 304 Stainless Steel	13.5 lbs. (6.1kg)
DH-82P/	Wall Mount Sleeve, Zinc-plated, Mild Steel	12 lbs. (5.4kg)
DH-8SS/	Wall Mount Sleeve, 304 Stainless Steel	13 lbs. (5.9kg)
DH-92P/	Core Mount Sleeve, Zinc-plated, Mild Steel	8 lbs. (3.6kg)
DH-9SS/	Core Mount Sleeve, 304 Stainless Steel	8 lbs. (3.6kg)
DH-11/17.5	17.5-in. (.44m) Manhole Collar for use with 18-in. to 20-in. (.46m to .51m) diameter Manways, Lightweight, Powder-coated Aluminum	26 lbs. (11.8kg)
DH-11/19.5	19.5-in. (.50m) Manhole Collar for use with 20-in. to 22-in. (.51m to .56m) diameter Manways, Lightweight, Powder-coated Aluminum	29.5 lbs. (13.4kg)
DH-11/21.5	21.5-in. (.54m) Manhole Collar for use with 22-in. to 24-in. (.56m to .61m) diameter Manways, Lightweight, Powder-coated Aluminum	33.5 lbs. (15.2kg)
DH-11/23.5	23.5-in. (.60m) Manhole Collar for use with 24-in. to 26-in. (.61m to .66m) diameter Manways, Lightweight, Powder-coated Aluminum	38 lbs. (17.2kg)
DH-11/25.5	25.5-in. (.65m) Manhole Collar for use with 26-in. to 28-in. (.66m to .71m) diameter Manways, Lightweight, Powder-coated Aluminum	43 lbs. (19.5kg)
DH-11/27.5	27.5-in. (.70m) Manhole Collar for use with 28-in. to 30-in. (.71m to .76m) diameter Manways, Lightweight, Powder-coated Aluminum	48 lbs. (21.8kg)
DH-202P/	Flush Floor Mount Sleeve, Zinc-plated, Mild Steel	24 lbs. (10.9kg)
DH-20SS/	Flush Floor Mount Sleeve, 304 Stainless Steel	25 lbs. (11.3kg)
<b>Base Accessories</b>		
DH-102P/	Sleeve Cap that keeps dirt and debris from getting into the opening of various sleeve mounts, Zinc-plated, Mild Steel	1.2 lbs. (.5kg)
DH-10SS/	Sleeve Cap that keeps dirt and debris from getting into the opening of various sleeve mounts, 304 Stainless Steel	.8 lbs. (.4kg)

# Miller DuraHoist™ Portable Confined Space System



## Vehicle Hitch Mounts



■ **Vehicle Hitch Mount Sleeve**  
DH-12/

Designed to install into a 2-in. (.05m) receiver on an attendant vehicle to provide a portable anchor point for confined space entry/retrieval, rescue and fall arrest applications.



■ **2-ft. (.61m) Extension**  
DH-13/



■ **Multi-Directional Bumper Receiver**  
DH-14/



■ **Pintle Hitch Adapter**  
DH-15/



■ **2-in. (.05m) Ball Hitch Adapter**  
DH-16/



■ **Single Direction Bumper Receiver**  
DH-17/

SKU	Description	Weight
DH-12/	Vehicle Hitch Mount Sleeve	49 lbs. (22.2kg)
DH-13/	Vehicle Hitch Mount 2-ft. (.61m) Extension, Zinc-plated	17 lbs. (7.7kg)
DH-14/	Multi-Directional Bumper Receiver, Zinc-plated	8.5 lbs. (3.9kg)
DH-15/	Pintle Hitch Adapter, Zinc-plated	13 lbs. (5.9kg)
DH-16/	2-in. (.05m) Ball Hitch Adapter, Zinc-plated	19 lbs. (8.6kg)
DH-17/	Single Direction Bumper Receiver, Zinc-plated	7.6 lbs. (3.5kg)

## Winch & Hoist Mounting Brackets



■ **Complete Mounting Bracket Assembly**  
DH-19-MILLER/

*This bracket assembly is required to mount a Miller ManHandler® Hoist/Winch or a Miller MightEvac® SRL to the DuraHoist Portable Confined Space System*

(DH-19-MILLER is an assembly of the DH-19/ bracket & the DH-AB-MILLER/ bracket)



■ **Winch Mount Bracket**  
DH-19/



■ **Adapter Bracket**  
DH-AB MILLER/



■ **Quick-Mount Bracket**  
DH-AP-8/



■ **Adapter Bracket**  
DH-AB-DBI/



■ **Adapter Bracket**  
DH-AB-DBI/30

SKU	Description	Weight
DH-19-MILLER/	Complete Mounting Bracket Assembly for Miller ManHandler Hoist/Winch or Miller MightEvac SRL	3.1 lbs. (1.4kg)
DH-19/	Winch Mount Bracket	1.6 lbs. (.73kg)
DH-AB-MILLER	Adapter Bracket for Miller MightEvac SRL (Requires a DH-19/ Bracket)	1.5 lbs. (.68kg)
DH-AP-8/	Flat Quick-Mount Bracket (Requires a DH-19/ Bracket)	2.5 lbs. (1.1kg)
DH-AB-DBI/	Adapter Bracket for DBI Winch or SRL (Requires a DH-19/ Bracket)	1.8 lbs. (.82kg)
DH-AB-DBI/30	Adapter Bracket for DBI Winch or SRL (30 degree incline) (Requires a DH-19/ Bracket)	2.6 lbs. (1.2kg)

## Accessories



■ **DuraHoist Equipment Cart**  
DH-18/



■ **Wheel Kit for DuraHoist Three-Piece Base**  
DH-4WK/

SKU	Description	Weight
<b>DuraHoist Equipment Cart</b>		
DH-18/	Equipment Cart for DuraHoist Four-Piece Hoist System (DH-1/, DH-2/)	40 lbs. (18.1kg)
DH-18DC/	Dust Cover for the DuraHoist Equipment Cart	2 lbs. (.91kg)
<b>Wheel Kit for Three-Piece Base</b>		
DH-4WK/	Wheel Kit (Two Wheels) for the DuraHoist Three-Piece Base (DH-4/)	30 lbs. (13.6kg)
<b>Carrying Bags</b>		
DH-2BAG/	Set of two Carrying Bags for DuraHoist Four-Piece Hoist System (DH-2/)	6 lbs. (2.7kg)
DH-3BAG/	Carrying Bag for One-Piece Adjustable Mast (DH-3/)	6 lbs. (2.7kg)
DH-4BAG/	Carrying Bag for Three-Piece Base (DH-4/)	3.7 lbs. (1.7kg)



**Miller DuraHoist™**  
**Portable Fall Arrest Post & Accessories**

**Portable Fall Arrest Post & Extension Post**

- Provides three independent swivel tie-off points for fall arrest anchorage  
*(Three worker maximum in any configuration)*
- Three-stage/four-position telescoping design and aluminum construction for easy transportation and set-up
- Leveling screws allow the system to be plumbed to vertical on inclines up to 15 degrees
- Portable and fixed bases allow for versatile usage
- Suggested Applications:  
 Electrical transformers, leading edge deck work, confined space and rescue, industrial presses, bridge cranes, large cranes, limited horizontal lifeline applications



■ 14-in. (.36m) Extension Post  
 DH-AP-2/

*Provides option to tie-off one worker at an increased height of 68.5-in. (1.74m)*

■ Portable Fall Arrest Post  
 DH-AP-1/



*Telescoping design allows overall height to be adjusted in three stages from 32.75-in. (.83m) to 57.25-in. (1.45m)*



SKU	Description	Weight
DH-AP-1/	Portable Fall Arrest Post	38 lbs. (17.2kg)
DH-AP-2/	14-in. (.36m) Extension Post	4.5 lbs. (2.0kg)

**Rescue/Material Handling Davit Arm**



■ Rescue/Material Handling Davit Arm  
 DH-AP-3/

- Designed for rescue and material handling applications
- Quick-attach design assembles easily
- Lightweight aluminum construction makes davit arm easy to transport and set-up



SKU	Description	Weight
DH-AP-3/	Rescue/Material Handling Davit Arm	20.5 lbs. (9.3kg)



## Miller TechLine™ Temporary Horizontal Lifeline Kits

System offers continuous fall protection for the length of the lifeline when used in conjunction with DuraHoist Fall Arrest Posts (DH-AP-1/). Ideal for applications where an overhead anchorage does not exist.

**Kits include:**

- 5/8-in. (.02m) polyester rope lifeline
- Line adjuster/tensioner
- Connecting ring(s)
- Snap hook
- In-line shock absorber (two worker kits only)

SKU	Maximum Span	No. of Workers
HLLR1-L/30FT	30-ft. (9.1m)	1 worker
HLLR1-L/60FT	60-ft. (18.3m)	1 worker
HLLR2-L/30FT	30-ft. (9.1m)	2 workers
HLLR2-L/60FT	60-ft. (18.3m)	2 workers

Additional Horizontal Lifeline products are available; contact Miller Technical Service 800-873-5242 (press 4 for Technical Service).

## Anchor Base & Anchor Plates

### Portable Anchor Base & Anchor Plate



- **Portable I-beam Anchor Base**  
Attaches to steel I-beams  
DH-AP-9/



- **Bolt-on Anchor Plate**  
For use in concrete or steel applications (Portable or Permanent)  
DH-AP-12/

SKU	Description	Weight
<b>Portable Anchor Base</b>		
DH-AP-9/	Portable I-beam Anchor Base	56 lbs. (25.4kg)
<b>Portable/Fixed Anchor Plate</b>		
DH-AP-12/	Bolt-on Anchor Plate	43 lbs. (19.5kg)

### Fixed Anchor Plates

Designed to be permanently welded to existing structures in locations of frequent work, or where the use of a portable base is impractical.

Plates for inclined surfaces (DH-AP-6/, DH-AP-7/) can be customized to your specific incline requirements up to a maximum of 45 degrees.



- **Plate w/Tie-off Anchor**  
DH-AP-4/



- **Standard Plate**  
DH-AP-5/



- **Plate for Inclined Surfaces w/Tie-off Anchor**  
DH-AP-6/



- **Plate for Inclined Surfaces**  
DH-AP-7/

SKU	Description	Weight
DH-AP-4/	Plate with Tie-off Anchor	11.8 lbs. (5.4kg)
DH-AP-5/	Standard Plate	11.6 lbs. (5.3kg)
DH-AP-6/	Plate for Inclined Surfaces with Tie-off Anchor	24 lbs. (10.9kg)
DH-AP-7/	Plate for Inclined Surfaces	23.4 lbs. (10.6kg)

## Winch & Hoist Mounting Brackets



- **Complete Adapter Plate w/Bracket Assembly**  
DH-AP-11/



- **Adapter Plate**  
DH-AP-10/



- **Quick-Mount Bracket**  
DH-AP-8/



- **Adapter Bracket**  
DH-AB-DBI/

SKU	Description	Weight
DH-AP-11/	Complete Assembly of Adapter Plate (DH-AP-10/) and Bracket (DH-AB-MILLER/*) for mounting ManHandler Hoist/Winch or MightEvac SRL	2.7 lbs. (1.2kg)
DH-AP-10/	Adapter Plate for attaching Bracket (DH-AB-Miller/*) to Davit Arm (DH-AP-3/)	1.2 lbs. (.5kg)
DH-AP-8/	Flat Quick-Mount Bracket	2.5 lbs. (1.1kg)
DH-AB-DBI/	Adapter Bracket for DBI Winch	1.8 lbs. (.8kg)

- **Carrying Bag for Portable Fall Arrest Post or Rescue/Material Handling Davit Arm (DH-AP-1/ or DH-AP-3/)**  
DH-AP-1-3BAG/

- **Carrying Bag for 14-in. (.36m) Extension Post (DH-AP-2/)**  
DH-AP-2BAG/

SKU	Description	Weight
DH-AP-1-3BAG/	Carrying Bag	3 lbs. (1.4kg)
DH-AP-2BAG/	Carrying Bag	1.5 lbs. (.7kg)

\* DH-AB-MILLER/ can be found on pg. 5



## Hoists/Winches

### Miller ManHandler® Hoists



- The perfect solution for confined space entry, rescue, positioning and personnel/material handling. A secondary fall arrest system is recommended for fall protection.
- 350 lbs. (159kg) working capacity
- Compact, durable steel construction
- Effortless lifting and lowering with 5:1 gear ratio. Anti-backlash crank handle braking system.

Compatible with DuraHoist™ Portable Confined Space System & DuraHoist Rescue/Material Handling Davit Arm

SKU	Description	Weight
8442/65FT	ManHandler personnel-rated hoist w/65-ft. (20m) of 3/16-in. (4.76mm) galvanized steel cable	40.1 lbs. (18.2kg)
8442-Z7/65FT	ANSI Z359-2007 Compliant ManHandler personnel-rated hoist w/65-ft. (20m) of 3/16-in. (4.76mm) galvanized steel cable	40.1 lbs. (18.2kg)
8442SS/65FT	ManHandler personnel-rated hoist w/65-ft. (20m) of 3/16-in. (4.76mm) stainless steel cable	37 lbs. (16.8kg)
8442/100FT	ManHandler personnel-rated hoist w/100-ft. (30m) of 3/16-in. (4.76mm) galvanized steel cable	46 lbs. (20.9kg)
8442-Z7/100FT	ANSI Z359-2007 Compliant ManHandler personnel-rated hoist w/100-ft. (30m) of 3/16-in. (4.76mm) galvanized steel cable	46 lbs. (20.9kg)
8442SS/100FT	ManHandler personnel-rated hoist w/100-ft. (30m) of 3/16-in. (4.76mm) stainless steel cable	46 lbs. (20.9kg)

### Miller MightEvac® Self-Retracting Lifelines (SRL) w/Emergency Retrieval Hoist



- Combines the superior performance and reliability of the Miller MightyLite™ SRL with a quick-activating retrieval mechanism for emergency evacuation.
- No annual factory recertification required\*  
– Significant long-term savings/lower cost of ownership
- 310 lbs. (141kg) weight capacity
- For emergency evacuation only

\* Does not apply to Canada due to CSA Z259.2.2-98 requirements. Must be inspected by a Miller authorized service center if involved in a fall or it fails user visual or function inspection.

Compatible with DuraHoist Portable Confined Space System & DuraHoist Rescue/Material Handling Davit Arm

SKU	Description	Weight
MR50GB/50FT	Miller MightEvac SRL w/50-ft. (15m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	39 lbs. (17.7kg)
MR50GB-Z7/50FT	ANSI Z359-2007 Compliant Miller MightEvac SRL w/50-ft. (15m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	39 lbs. (17.7kg)
MR50SB/50FT	Miller MightEvac SRL w/50-ft. (15m) of 3/16-in. (4.76mm) stainless steel wire rope, mounting bracket & carabiner	39 lbs. (17.7kg)
MR100GB/100FT	Miller MightEvac SRL w/100-ft. (30m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	59 lbs. (26.8kg)
MR100GB-Z7/100FT	ANSI Z359-2007 Compliant Miller MightEvac SRL w/100-ft. (30m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	59 lbs. (26.8kg)
MR100SB/100FT	Miller MightEvac SRL w/100-ft. (30m) of 3/16-in. (4.76mm) stainless steel wire rope, mounting bracket & carabiner	59 lbs. (26.8kg)
MR130GB/130FT	Miller MightEvac SRL w/130-ft. (40m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	64 lbs. (29.0kg)
MR130GB-Z7/130FT	ANSI Z359-2007 Compliant Miller MightEvac SRL w/130-ft. (40m) of 3/16-in. (4.76mm) galvanized wire rope, mounting bracket & carabiner	64 lbs. (29.0kg)
MR130SB/130FT	Miller MightEvac SRL w/130-ft. (40m) of 3/16-in. (4.76mm) stainless steel wire rope, mounting bracket & carabiner	64 lbs. (29.0kg)

This equipment should be used after reading the manufacturer's instructions. Failure to follow instructions could result in serious injury or fatality.



Ask the Expert ... Ask Miller.

800/873-5242  
or 814/432-2118

Fax 800/892-4078  
or Fax 814/432-2415

www.millerfallprotection.com



For more information or to place an order,  
please contact your Miller® distributor:

LMDCSS/1008/40M/RPI