

New!

MILLER **DuraHoist™**

SAFETY SYSTEMS

Portable Confined
Space System



Portable
Fall Arrest Post



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

MILLER®
by SPERIAN

MILLER *DuraHoist*[™] 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.

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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.

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Hoists/Winches

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| Miller MightEvac® Self-Retracting Lifelines (SRL) w/Emergency Retrieval Hoist | Back Cover |

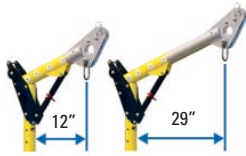
Meets all applicable OSHA and ANSI standards.



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/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

■ **One-Piece Adjustable Mast**
DH-3/

Overall mast height adjusts from 74-in. (1.88m) to 89-in. (2.26m)
Mast offset adjusts from 12-in. (.30m) to 29-in. (.74m)

Compatible with any one Lower Mast Extension

Two-Piece Adjustable Mast

■ **Upper Mast**
DH-21/

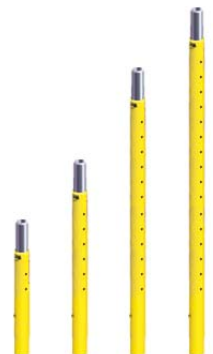
Mast offset adjusts from 12-in. (.30m) to 29-in. (.74m)

Compatible with any two Lower Mast Extensions, not exceeding a combined 90-in. (2.29m) in height

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) |
| Base Accessories | | |
| 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 |
|---------------------------------------|--|------------------|
| DuraHoist Equipment Cart | | |
| 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) |
| Wheel Kit for Three-Piece Base | | |
| DH-4WK/ | Wheel Kit (Two Wheels) for the DuraHoist Three-Piece Base (DH-4/) | 30 lbs. (13.6kg) |
| Carrying Bags | | |
| 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 |
|------------------------------------|-----------------------------|------------------|
| Portable Anchor Base | | |
| DH-AP-9/ | Portable I-beam Anchor Base | 56 lbs. (25.4kg) |
| Portable/Fixed Anchor Plate | | |
| 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