Miller DuraHoist™ Four-Piece Hoist System w/ ManHandler®
Model: DH-1

Description
The Four-Piece Hoist System is designed for manhole and confined space entry/retrieval applications. The modular design allows use of components in various configurations and applications. Multiple winches and/or lifeline systems may be mounted as required. Tool-less design breaks the system into lightweight, manageable components for storage, transport, and setup. The DH-1 features the DH-3 Mast, DH-4 Base, and the ManHandler Hoist/Winch.

Materials
General Construction: Welded Aluminum
Weld Certification: AWS
Hardware: Zinc Plated
Material Structure: 6061-T6, 5052-H32, 7075-T6 Aluminum
Block Anchor: 304 Stainless Steel
Finish: Safety Yellow Powder Coat

Technical
Rated Capacity: 350lbs (159kg) working load limit @ minimum 4:1
Design Factor

Proof Load Ratings
Anchor Points
A) Standard
Pin Position 1 & 2 5000lbs (22kN)
Pin Position 3 3600lbs (16kN)
Pin Position 4 3000lbs (13kN)
B) Optional
Pin Position 1 & 2 5000lbs (22kN)

Winch/SRL Mount Positions
A) Rear Mount
Pin Position 1 & 2 5,000lbs (22kN)
Pin Position 3 3,600lbs (16kN)
Pin Position 4 3,000lbs (13kN)
B) Front Mount
Pin Position 1 & 2 2,500lbs (11kN)
Pin Position 3 & 4 1,800lbs (8kN)

Weight
Mast Assembly 31lbs (14kg)
Base Center 30lbs (14kg)
Base Legs (x2) 30lbs (14kg)
ManHandler 39lbs (18kg)
DH-19-MILLER 3.5lbs (1.6kg)

Application Restrictions
1. All winch and block mounting parts and hardware must be supplied or approved by Miller.
2. Retractable devices or shock absorbers must be installed and used in accordance with the manufacturer’s instructions.
3. Masts must be used with bases or sleeves approved for use with the applicable mast offset.
4. Where required by regulation, each installation must be approved to applicable standards by a qualified engineer.
5. All equipment must be set up and operated under the supervision of a competent person according to the manufacturer’s instructions.
**ALL PICTURES SHOWN WITH MINIMUM OFFSET**

- Pin Position (1): 12" Min 16.5" Max
  - 13.25" Min 19" Max
- Pin Position (2): 14.5" Min 18.75" Max
  - 15.25" 19" Max
- Pin Position (3): 17.5" Min 22.5" Max
  - 18" Min 25" Max
- Pin Position (4): 20" Min 26" Max
  - 21" Min 29" Max

**MAXIMUM OFFSET DETERMINED WITH ADJUSTABLE GUSSET FULLY COLLAPSED (NO VISIBLE THREADS)**

**MAXIMUM OFFSET DETERMINED WITH ADJUSTABLE GUSSET FULLY EXTENDED (AS SHOWN IN ALL PICTURES ABOVE)**

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