

# 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

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

### Technical

<b><u>Rated Capacity:</u></b>	350lbs (159kg) working load limit @ minimum 4:1 Design Factor
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#### **Proof Load Ratings**

##### **Anchor Points**

##### **A) Standard**

Pin Position 1 & 2	5000lbs (22kN)
Pin Position 3	3600lbs (16kN)
Pin Position 4	3000lbs (13kN)

<b>B) Optional</b>	5000lbs (22kN)
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#### **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)



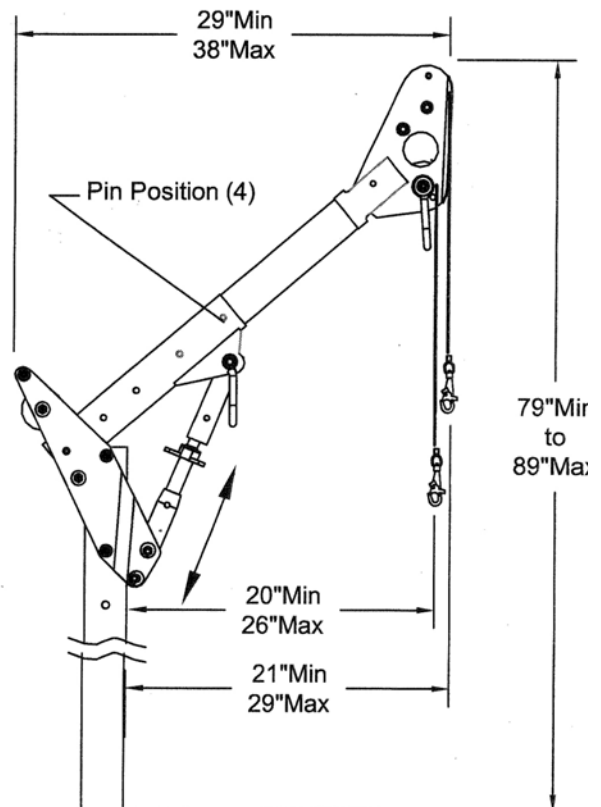
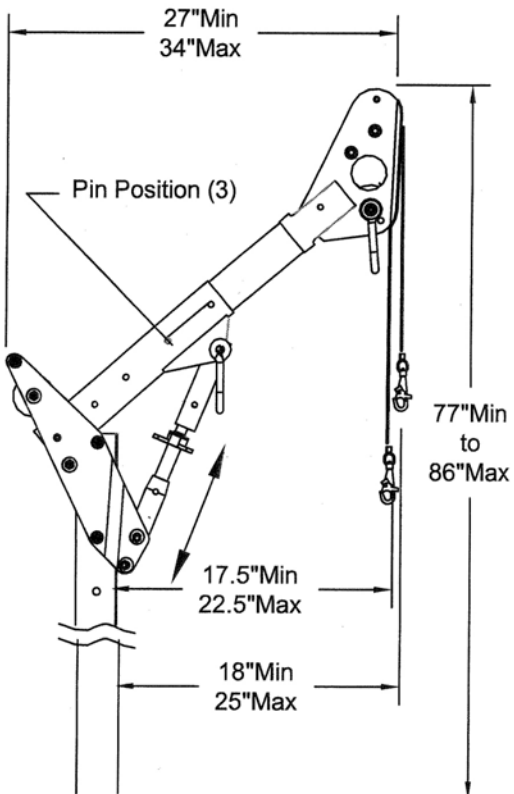
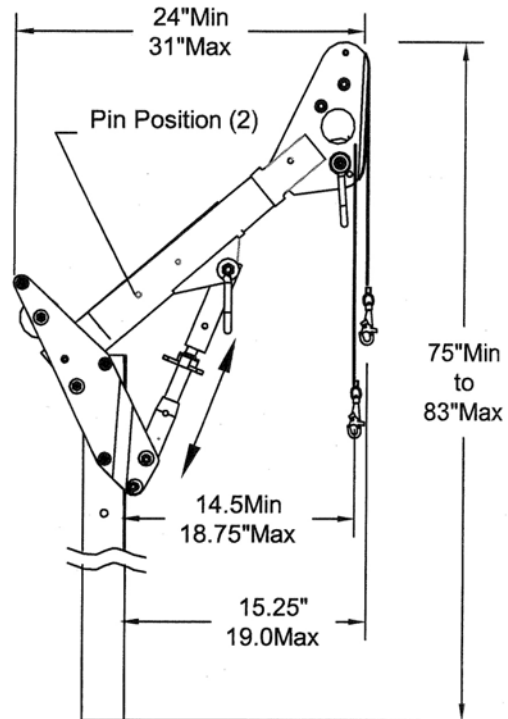
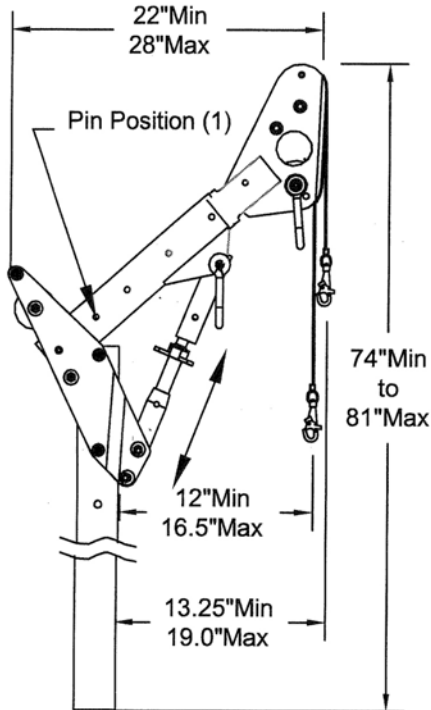
### Application Restrictions

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.

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**\*\*ALL PICTURES SHOWN WITH MINIMUM OFFSET**

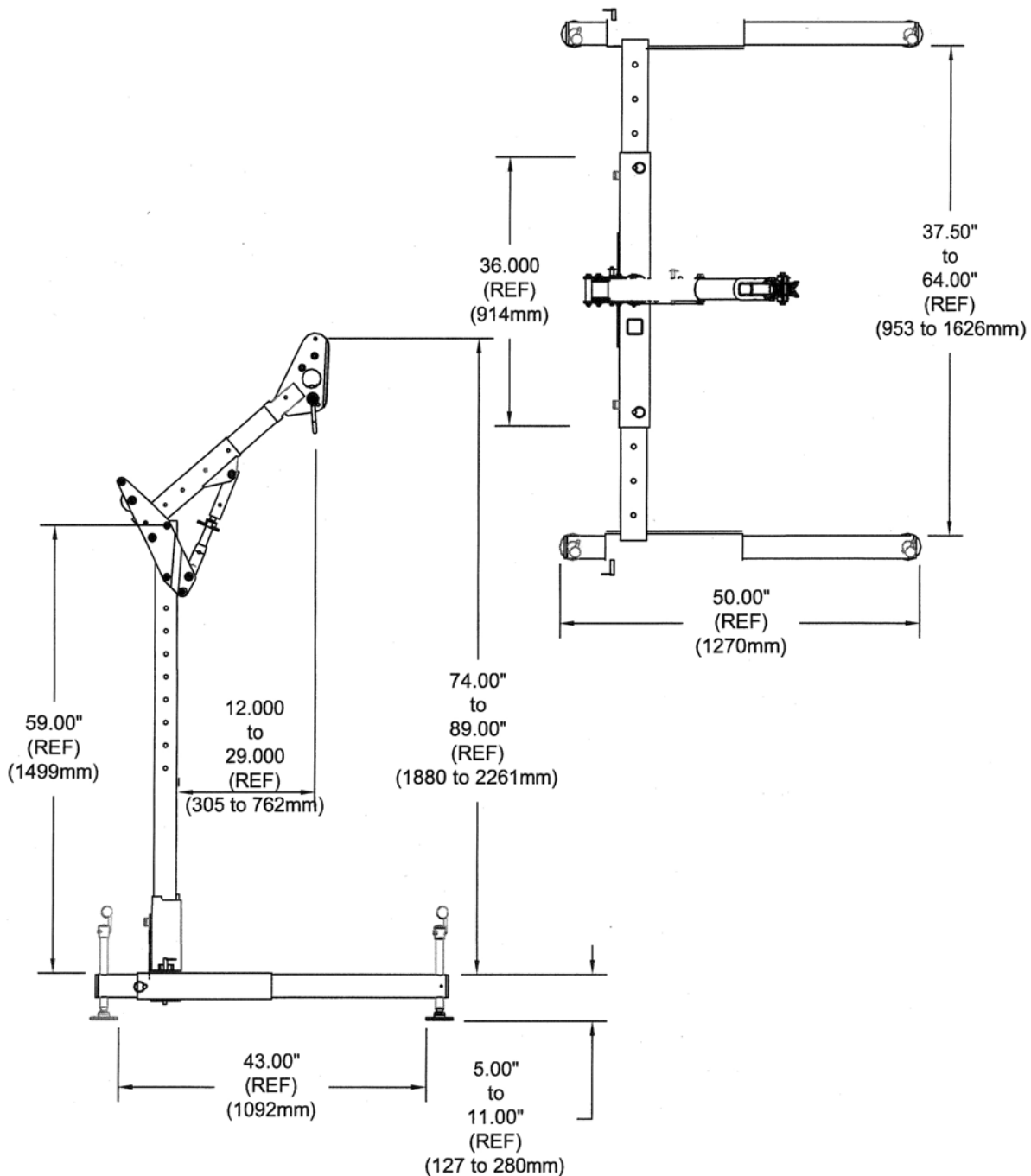


\*MAXIMUM OFFSET DETERMINED WITH ADJUSTABLE GUSSET FULLY COLLAPSED (NO VISIBLE THREADS)

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

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