

# New! Miller DuraHoist™ ADDITIONS

## Frequently Asked Questions

**Q1** What are the new products being added to the Miller DuraHoist family?

A1

Miller SKU	Description	Weight	Stock Designation
DH-23	30-in. – 48-in. Two-Piece Adjustable Upper Mast	29 lbs. (13kg)	Non-Stock
DH-24	Three-Piece Portable Base for use with 30-in. - 48-in. offset with the One or Two-Piece Adjustable Mast (DH-3, DH-21, DH-23) and the Lower Mast Extensions (DH-22 Series).	95 lbs. (43kg)	Non-Stock
DH-25	Vehicle Hitch Mount Sleeve for use with 30-in. - 48-in. offset with the One or Two-Piece Adjustable Mast (DH-3, DH-21, DH-23) and the Lower Mast Extensions (DH-22 Series).	62 lbs. (28kg)	Non-Stock
DH-13/4FT	4-ft Vehicle Hitch Mount Extension for use with the Vehicle Hitch Mount Sleeve options (DH-12 or DH-25)	29 lbs. (13kg)	Non-Stock

**Q2** What is the advantage of having a larger Two-Piece Adjustable Upper Mast (DH-23)?

A2

While the current One-Piece Adjustable Mast (DH-3) and Two-Piece Adjustable Upper Mast (DH-21) do an excellent job at solving many of the confined space applications, there are still many additional confined space applications that are out of reach unless we provided a larger Mast. The larger Mast provides a larger offset (reach) of 30-in. – 48-in. and will allow for a wider range of solutions that have been requested by our end users.

**Q3** What is the advantage of having a larger Three-Piece Portable Base (DH-24) and Vehicle Hitch Mount Sleeve (DH-25) added to the product line?

A3

The new Two-Piece Adjustable Upper Mast (DH-23) **cannot** be used with our current Three-Piece Portable Base (DH-4) and Vehicle Hitch Mount Sleeve (DH-12) because of the maximum offset is greater than 30-in. However, with the new larger Three-Piece Portable Base and Vehicle Hitch Mount Sleeve (Designed for use with a maximum 48-in. offset) the new Two-Piece Adjustable Upper Mast (DH-23) is compatible. It is important to remember that when the Upper Mast is rotated to the right or left, the winch and/or Self-Retracting Lifeline cable from these devices should not go beyond the distance of either portable base option (DH-4 or DH-24) to avoid tipping of unit.

**Q4** What are the two key areas where the Two-Piece Adjustable Upper Mast (DH-23) are required?

A4

1. When an Adjustable Mast is to be used close to a permanent guardrail. In this case, there may be an obstruction for operating a Miller winch/SRL combined with a height issue over the guardrail.

2. Where the area around the confined space entry only allows mounting the base at a distance.

In both cases, the new Two-Piece Adjustable Upper Mast allows the mount to be moved back from the obstruction while reaching out far enough for clearance to provide the necessary height and reach to the entry.

**Q5 Which Miller DuraHoist bases (permanent or portable) are compatible with the Two-Piece Adjustable Upper Mast (DH-23)?**

**A5** The Two-Piece Adjustable Upper Mast is compatible with all DuraHoist bases with the exception of the Three-Piece Portable Base (DH-4), Vehicle Hitch Mount Sleeve (DH-12) and the Manhole Collar (DH-11).

**Q6 What is the maximum number of extensions that can be used with the Two-Piece Adjustable Upper Mast (DH-23) at one time?**

**A6** The maximum number of extensions is two [Adjustable Upper Mast + (2) Lower Mast Extensions]. In addition, the maximum length of the combined extensions cannot exceed 78-in.

**Q7 Can two Lower Mast Extensions (DH-22/57) be used for additional height when combined with the Two-Piece Adjustable Upper Mast (DH-23)?**

**A7** No. 57-in. + 57-in. = 114-in., which is greater than the 78-in. maximum limit for two extensions.

**Q8 What is the minimum and maximum overall system heights that can be achieved with the new extensions?**

**A8** Extensions provide the flexibility to change overall mast height from 46-in. to 146-in. For example, a system comprised of a DH-23 and DH-22/21 + DH-22/57 would provide the maximum overall height.

**Q9 Can the Two-Piece Adjustable Upper Mast (DH-23) be used with the existing Lower Mast Extensions (DH-22 Series)?**

**A9** Yes. However no more than two extensions can be used with the Two-Piece Adjustable Upper Mast at any time and not exceeding 78-in. in height extension.

**Q10 Because the Two-Piece Adjustable Upper Mast (DH-23) is rated for an 1,800 lb. anchor point, is it required that a Self-Retracting Lifeline or Shock-Absorbing Lanyard be used with a maximum arresting force of 900 lbs. for fall protection?**

**A10** Yes. The system is designed around the use of a maximum arresting force of 900 lbs. to achieve a 2:1 safety factor.

**Q11 Can the smaller Miller DuraHoist models with 12 - 29-in. offset (DH-3 and DH-21) be used with the new larger Three-Piece Portable Base (DH-24)?**

**A11** Yes. This could be a cost effective solution when the larger base is needed to span a larger opening, but the 12-29-in. offset is sufficient. The key item to remember – The Three-Piece Portable Base accommodates up to a maximum 48-in. offset.

**Q12 What materials are the new Miller DuraHoist additions constructed of?**

**A12** The new Two-Piece Adjustable Upper Mast, Three-Piece Portable Base and Vehicle Hitch Mount Sleeve are all made of the same powder coated, corrosion resistant, high strength aluminum - as all other Miller DuraHoist products.

**Q13 What standards do the new Miller DuraHoist products meet?**

**A13** All Miller DuraHoist products meet all applicable OSHA, ANSI and CSA standards.

