



## Personnel Winch Model no.142



Designed to be used as primary work line for lowering and raising of personnel when there is no ladder or other means of entry into a confined space or as a retrieval device should the emergency occur.

Note: OSHA requires the use of back up fall protection, such as MSE 3 Way Rescue and Recovery Winch Model no. 2005, when using winch to lower or raise a worker.

The Brake System:

1. primary brake - holds load in place when raising or lowering is stopped or when the crank is released.
2. secondary brake – in case of a freewheel, the inertia brake system is automatically activated and restricts cable payout to a max. of 2 ft.

The Cable Guide: helps keep the cable even and leveled on the drum thus reducing stress and wear.

<b>Max. Working Load</b>	<b>300 lbs</b>
<b>Min. Working Load</b>	<b>50 lbs.</b>
<b>Cable Speed to Engage Brake</b>	<b>4.5 ft./sec</b>
<b>Stopping Distance</b>	<b>&lt;24"</b>
<b>Strength Test</b>	<b>300 lbs/4'Free Fall</b>
<b>Arresting Force</b>	<b>~1200 lbs</b>
<b>Gear Ratio</b>	<b>5.5:1</b>
<b>Mechanical Advantage</b>	<b>20:1</b>
<b>Retrieval Speed</b>	<b>~20 ft./min</b>
<b>Brake System- Fall Arrest</b>	<b>Inertia – Friction Disk</b>
<b>Brake System – Winch</b>	<b>Friction Disk</b>
<b>Cable Length</b>	<b>50, 65, 75, 100,</b>
<b>Lifeline</b>	<b>Galvanised, Stainless Steel, Synthetic Rope</b>
<b>Weight</b>	<b>42 lbs (50 ft. gav.cable)</b>