



R&M Materials Handling, Inc.  
 4501 Gateway Boulevard  
 Springfield, Ohio 45502  
 P.: (937) 328-5100  
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## 1 Major update history (only in English)

Section	Description	Date	Handled by
Hook operated control limit switch	Construction of hook operated control limit switch added.	26.8.2004	KHHJII
Second brake	Construction and service of second brake, brake release and manual crank added.	23.9.2004	KHHJII
Rope guide	Construction of rope guide added ( $\varnothing$ 608 mm).	9.12.2004	KHHJII
Lubricant volumes, travel gears	Lubricant volumes for larger trolley gears added.	11.1.2005	KHTJPU
Wire rope	Rope inspection criterions changed (minimum wire brakes).	13.1.2005	KHHASI
Drum brake	Construction and service of drum brake added.	28.2.2005	KHHJII
Installation of normal headroom trolley	Installation instructions for normal headroom trolley added (Drum size 608 mm).	20.4.2005	KHHJII
Installation of double girder trolley	Checks of trolley buffers during installation added.	10.5.2005	KHJII
Rope drum service	Check of free rotation. Replacement of axial locking part. (Drum size 303/355/406 mm)	10.5.2005	KHHASI
Recommended tightening torques	Replacement of self locking nuts (Nyloc).	10.5.2005	KHHASI
Maintenance interval table	Inspection interval of hoisting machinery and coupling changed. Inspection interval for drum brake added.	10.5.2005	KHHJII
Hoisting machinery, service	Inspection and replacement of coupling clarified.	10.5.2005	KHHJII
Trolley buffers	Trolley buffer inspection instructions added.	10.5.2005	KHHJII
Wedge housing, assembly	Replacement of split pin.	18.5.2005	KHHJII
Lubricants	Lubricant type for couplings changed.	25.5.2005	KHTJPU
Commissioning	Inspection of rope anchorage	13.9.2005	KHHJII
Lubricants	Lubricant type and volumes for hoisting gears (GEN4) changed.	21.9.2005	KHTJPU
Rope anchorage	Drawings updated.	29.9.2005	
Hook-block, rope reeving and return sheaves	Hook forging dimensions updated.	5.10.2005	
Installation, Normal headroom trolley	Straight beam heading added. Curved beam instructions added.	9.12.2005	
Hoisting motor and brake	Hoisting brake details updated.	9.12.2005	KHMJER
Construction, Rope guide	Drawings updated.	10.1.2006	
Construction <ul style="list-style-type: none"> <li>- Low Headroom Trolley Hoist</li> <li>- Hoisting limit switch Drum size 243 mm</li> <li>- Hook operated upper limit switch</li> </ul>	New hoist size added (drum diameter 243 mm)	13.1.2006	KHHJII



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<ul style="list-style-type: none"> <li>- Rope drum</li> <li>- Rope guide</li> <li>- Overload protection</li> </ul> Installation <ul style="list-style-type: none"> <li>- Low headroom trolley</li> </ul> Lubricants <ul style="list-style-type: none"> <li>- Lubricant quantities</li> </ul>			
Using the pushbutton controller	Drawings updated.	16.1.2006	
Construction, Rope guide	Rope guide assembly instruction added (drum diameter 608 mm).	5.4.2006	KHHJII
Installation, curved beam	Drawing updated.	18.4.2006	KHHJII
Hook block	Thrust bearing assembly updated.	16.8.2006	KHHJII
Construction, Wire rope	Update on rope assembly (True vertical lift)	30.8.2006	KHHASI
Commissioning, Inspections without load	Limit switch adjustment and motion direction test updated.	30.8.2006	KHHPPU