

# HÄNEL - Checklist for Lean-Lift Safety Signs

## Lean-Lift for assembly, service and annual safety check

Use of the lift without a full set of warning signs is prohibited.  
 Prior to assembly or service work and before making modifications to the system, always check that all signs are present.  
 Missing signs must be replaced. Please contact the factory if you have any questions about the required signs or their correct locations.

Please also refer to the enclosed EC Declaration of Conformity/EC Manufacturer's Declaration and the manufacturer's order confirmation enclosed in the Technical Documentation.

**CAUTION:** Before applying signs, please ensure that the main switch and, where applicable, the service door switch, are switched off and locked. In the case of external voltage (multi-unit network), or before working on the terminal blocks, the mains power supply must be disconnected to ensure that no electrical voltage is present. The terminal blocks are under power even when the main switch is turned off!  
 Cables or other parts must not be damaged.

For certain signs, the owner/operator must provide additional instruction in accordance with the Operating Manual in the Technical Documentation (for example for remote-controlled lift operation).

The yellow signs designated with the word "Old" no longer correspond to today's state of technology (ISO 38642:2004-10).

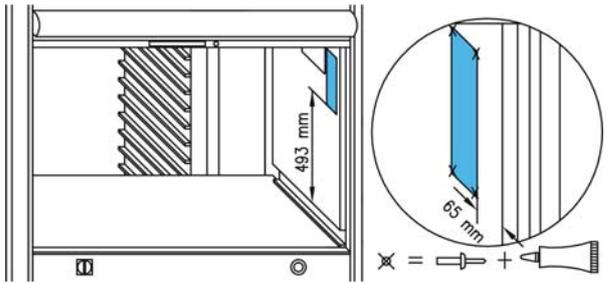
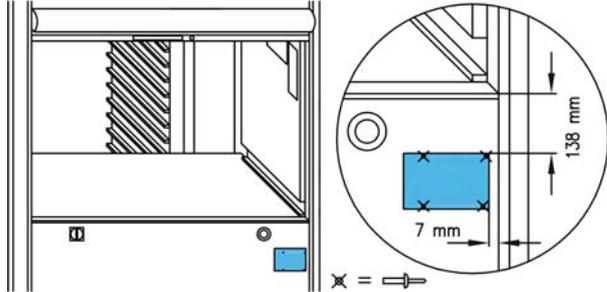
If significant conversion tasks are performed (CE Mark required), these signs have to be replaced by the current signs in order to issue an inspection sticker.

During yearly safety inspections, it must be noted in writing in the F-SICHB3 if there is need to replace/update signs. These replacements/updates are the owner/operator's responsibility.

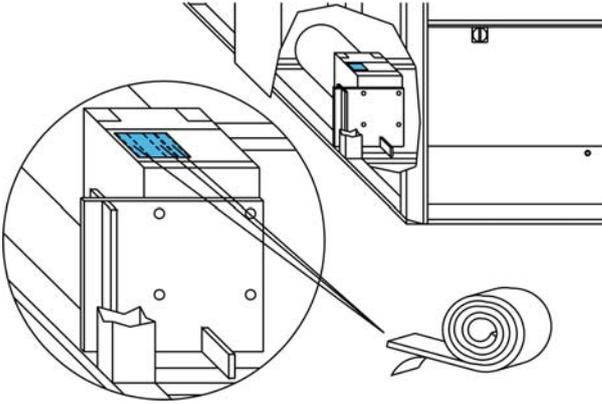
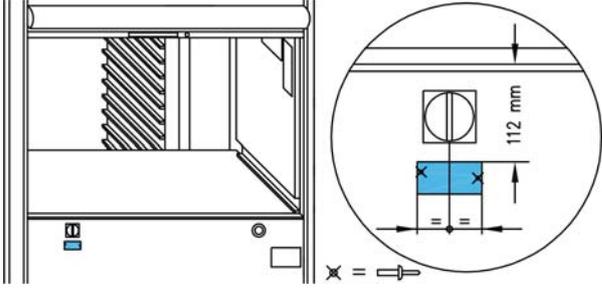
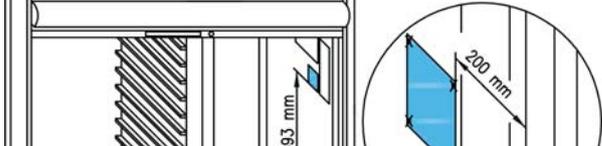
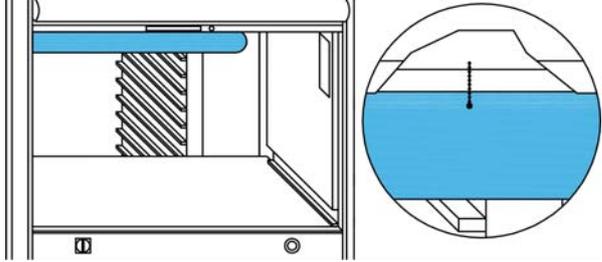
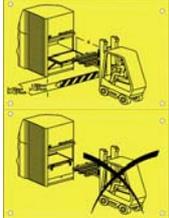
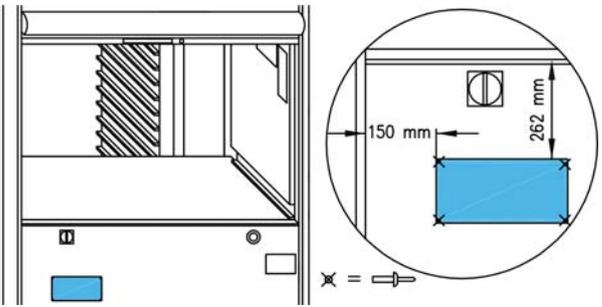
If there are no suitable holes in the carousel components, the signs can be attached using KBS 10020 instant glue (available from Hänel) or an equivalent adhesive.

Com. No.: \_\_\_\_\_

The following signs must be present at all times:

 <p><b>Brief operating information</b>          At every access point.          07 100 171/1</p> <p>Old</p>	
 <p><b>Type plate including CE</b>          Only below the first access point (with main switch directly below the access point)          07 100 252</p> <p>In EEA with CE Mark, outside of EEA without CE mark.          CE does not apply if EC Manufacturer's Declaration present          When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.          The additional sign is identified by a *behind the commission number.</p>	

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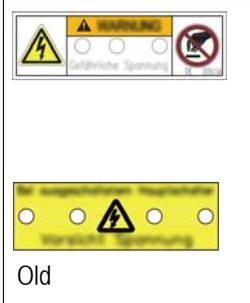
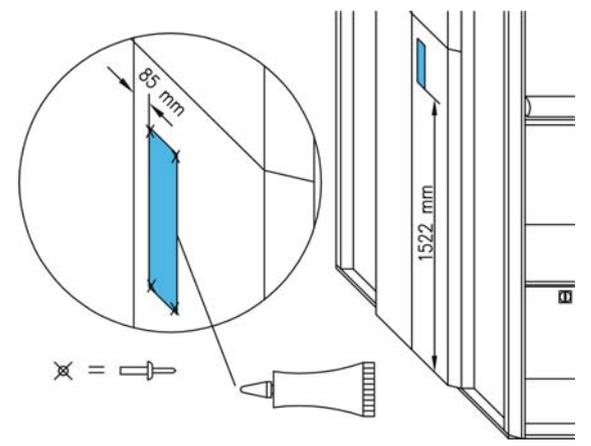
 	<p><b>Safety instructions for drive</b>                  On vertical motor or gear unit                  07 100 260                  For retrofits, new operating manual                  MANL-LL is required.</p>	
	<p><b>Main switch</b>                  Near every main switch                  07 100 261                  When the lift is covered with panelling                  (e.g. air-conditioned enclosure), the                  sign must also be attached to the                  panelling.  <b>Caution!</b> When mounting signs,                  always be sure not to damage cables                  or parts.</p>	
	<p><b>Container loading</b>                  At every access point.                  07 100 264</p>	
	<p><b>Do not enter</b>                  Hanging in every access point                  07 100 313                  Type 840 -&gt; Sign length 810 mm                  (31.89")                  &gt;Type 840 -&gt; Sign length 1100 mm                  (43.31")</p>	
 	<p><b>Forklift loading prohibited/allowed</b>                  (as per DRAWS/LL-PRALL)                  At every access point.                  For lifts without / with guide rails                  07 100 395/1                  For ejection point with safety slider                  07 100 395/3                  For ejection point with side roller                  07 100 395/4                  For ejection point with safety light                  curtain                  07 100 395/5</p>	
<p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>		

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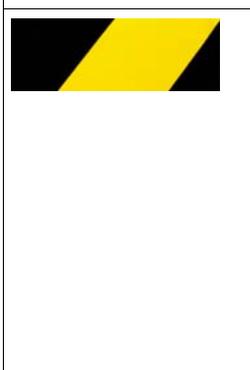
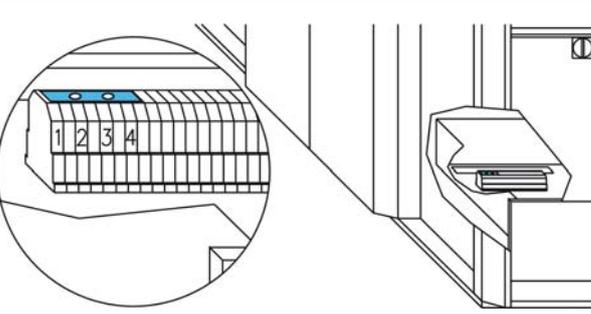
Old

**Safety instruction for standard version service door**  
 On the inside and outside of the service door  
 07 100 396/1  
 For retrofits, new operating manual MANL-LL is required.  
 When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.

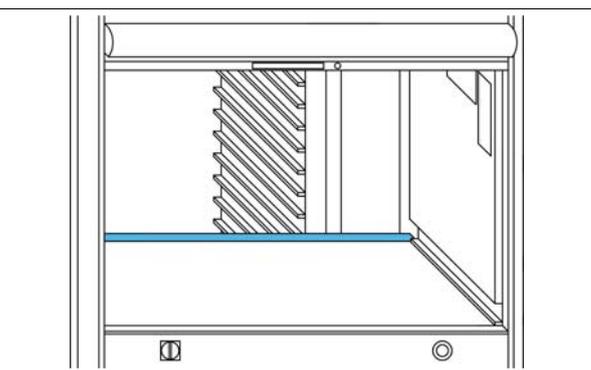


Old

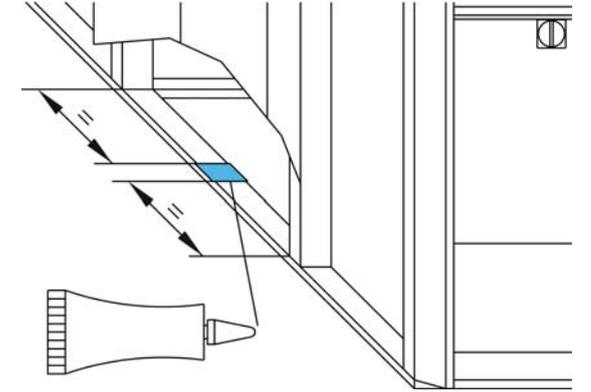
**Voltage at terminal block**  
 In switch tray drawer: at mains power cable, additional with undervoltage tripping device, with network connection MP 100  
 07 100 399  
**Caution!** If attaching the sign after the initial installation, disconnect the system from the mains power supply. The terminal blocks are under power even when the main switch is turned off!



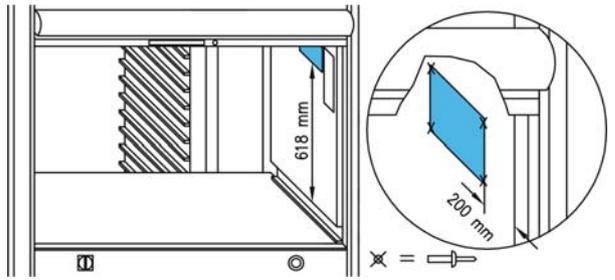
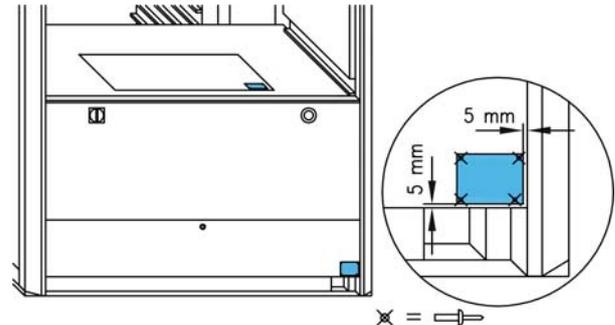
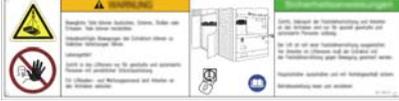
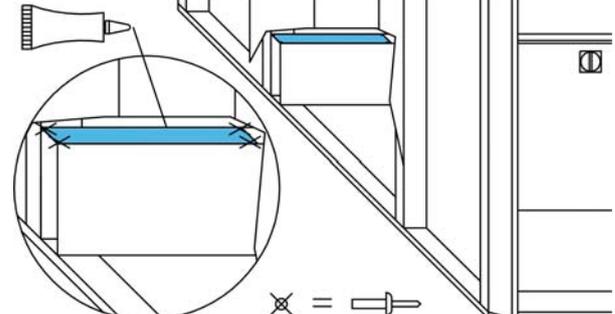
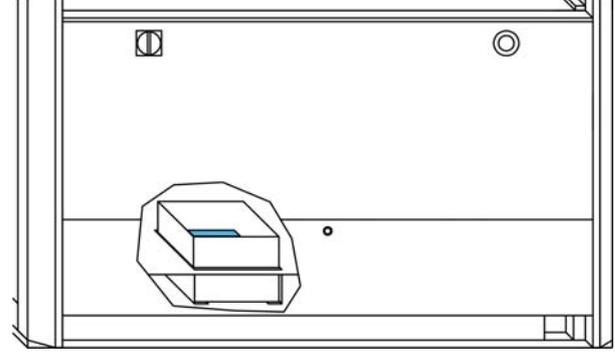
**Yellow/black marking tape**  
 Applied at every access opening at top and bottom  
 07 100 408 /4



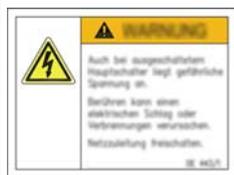
**Outside panelling**  
 Inside on the bottom frame on the side of the vertical drive.  
 07 100 414



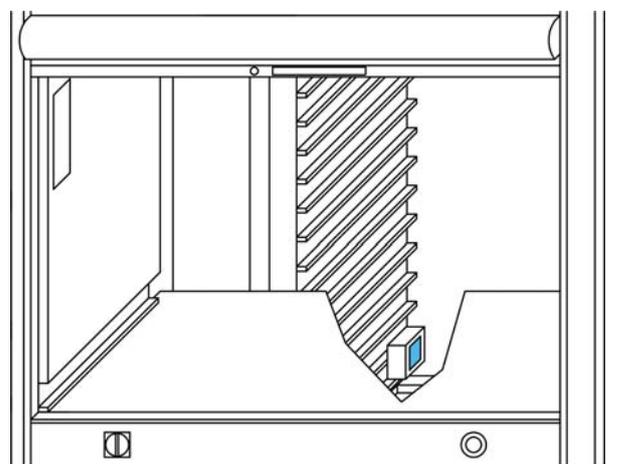
# HÄNEL - Checklist for Lean-Lift Safety Signs

 <p><b>Prohibition sign for access point and extractor</b>          On right side of every access point; additionally, larger type 1860 on left          07 100 418</p> <p>Old</p>	
 <p><b>High voltage warning arrow</b>          From below on the panel, on the switch tray drawer and on the electrical tray cover.          07 100 419</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p> <p><b>Caution!</b> When mounting signs, always be sure not to damage cables or parts.</p> <p>Old</p>	
 <p><b>Safety instructions for locking device</b>          On locking device case.          07 100 441</p> <p>For robot operation, additionally on service door below 07 100 396.</p>	
 <p><b>Frequency converter</b>          In wiring cabinet drawer: as sticker on every Mitsubishi frequency converter.          07 100 442</p> <p><b>Caution!</b> When installing the stickers, no operating element or existing label may be covered up.</p>	

# HÄNEL - Checklist for Lean-Lift Safety Signs



**Mains power line high voltage warning arrow**  
 As adhesive label on the mains terminal box.  
 07 100 443



The following signs, which are marked with **X**, must be installed on an order-specific basis:



**Interconnected Lean-Lift**  
 For multiple lifts with shared service doors  
 a) At service door  
 b) At access opening with main switch at main switch  
 07 100 310

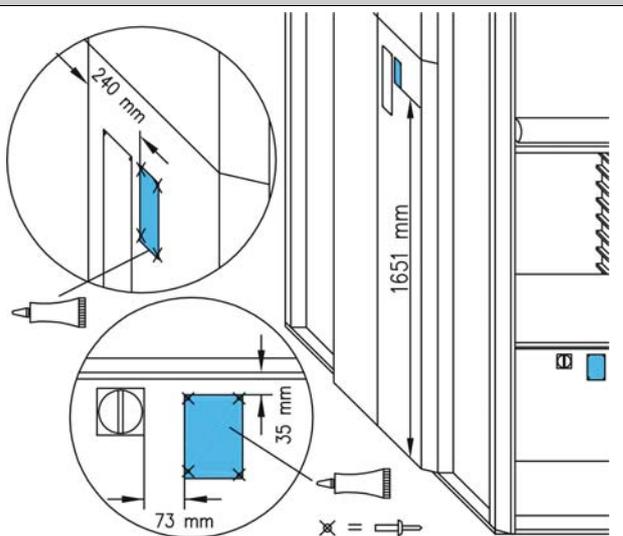
**Caution!** When mounting signs, always be sure not to damage cables or parts.

For retrofits, new operating manual MANL-LL is required.

When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.



Old



**Safety instruction Service doors at special height**  
 including danger of falling

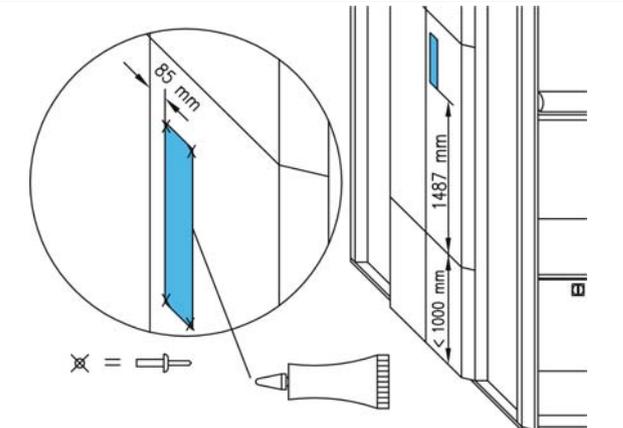
At the service door, inside and outside, if access not at ground-level.

07 100 312  
 (Standard service door not applicable)

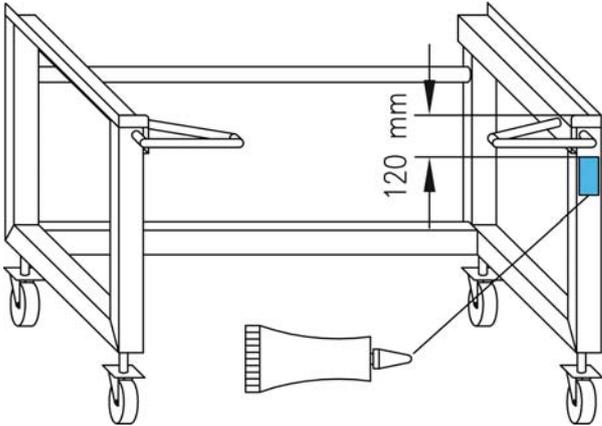
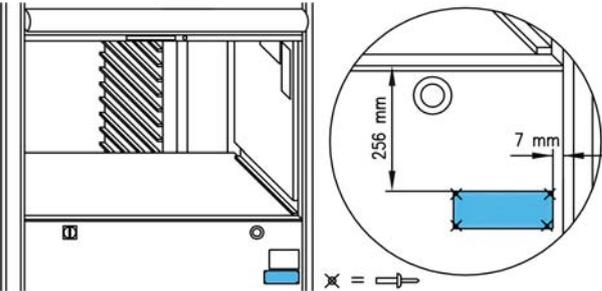
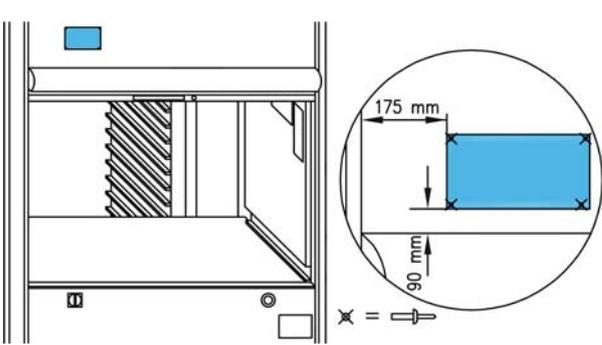
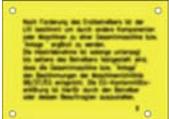
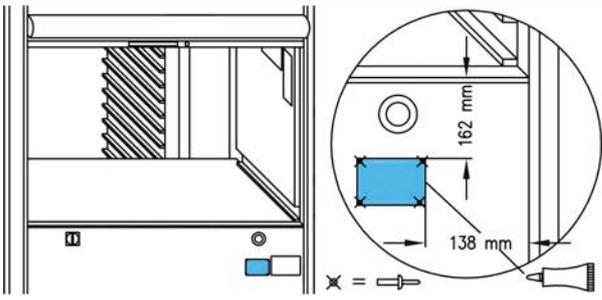
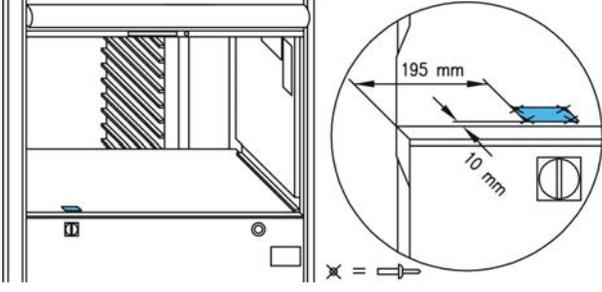
For retrofits, new operating manual MANL-LL is required.

When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.

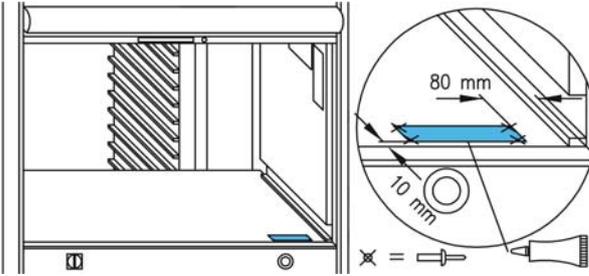
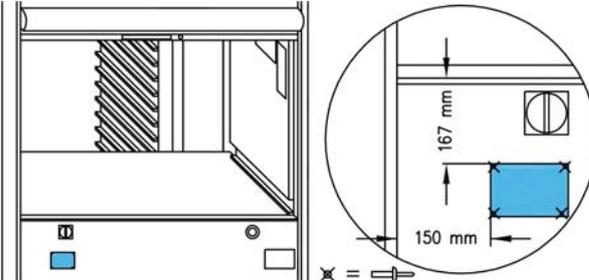
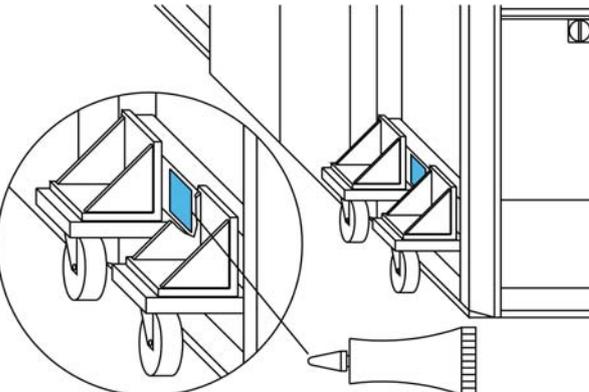
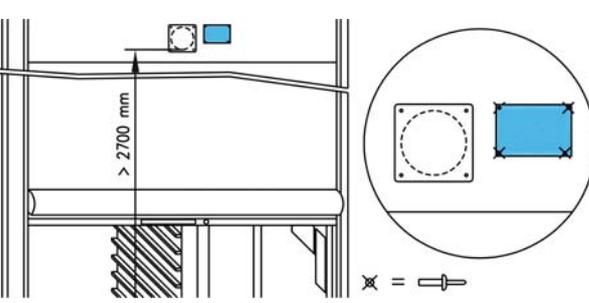
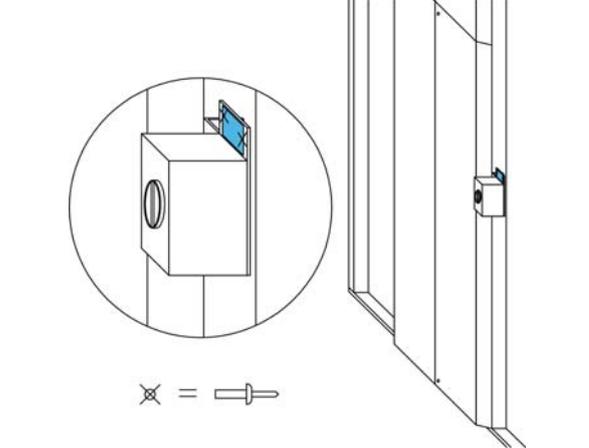
Old



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 	<p><b>Transport cart operation</b></p> <p>On every transporter at front right</p> <p>Up to 500 kg (1102 lbs.) and &lt;type 1640 07 100 319 /1</p> <p>Up to 500 kg (1102 lbs.) and width &gt;=type 1640 07 100 319 /2</p> <p>Up to 500 kg (1102 lbs.) 07 100 319 /3</p>	
 	<p><b>Safety instructions for wire mesh</b></p> <p>For wire mesh version. At every access point. 07 100 372</p>	
 	<p><b>Remote-controlled lift operation</b> (as per DRAWS/Remote)</p> <p>At every access point.</p> <p>Without special safety equipment 07 100 397/1</p> <p>With special safety equipment 07 100 397/2</p> <p>With robot operation 07 100 397/3</p>	
 	<p><b>EC Manufacturer's Declaration</b></p> <p>Only at access opening with type plate (CE Mark not applicable with identification plate)</p> <p>Within EEA, Switzerland and Turkey 07 100 400/1</p> <p>Outside of EEA, Switzerland and Turkey 07 100 400/2</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 	<p><b>Antistatic earthing</b></p> <p>For version with antistatic earthing. At every access point. 07 100 401</p> <p><b>Caution!</b>When mounting signs, always be sure not to damage cables or parts.</p>	

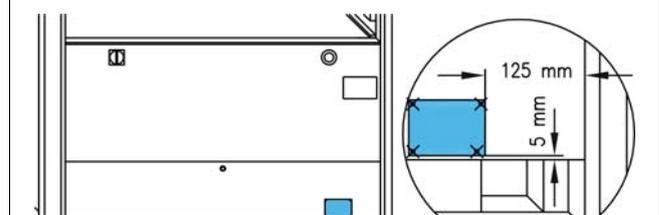
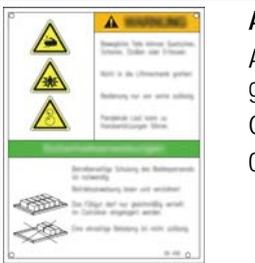
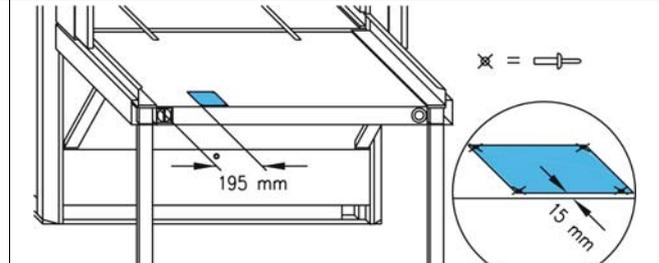
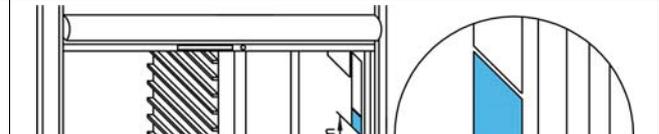
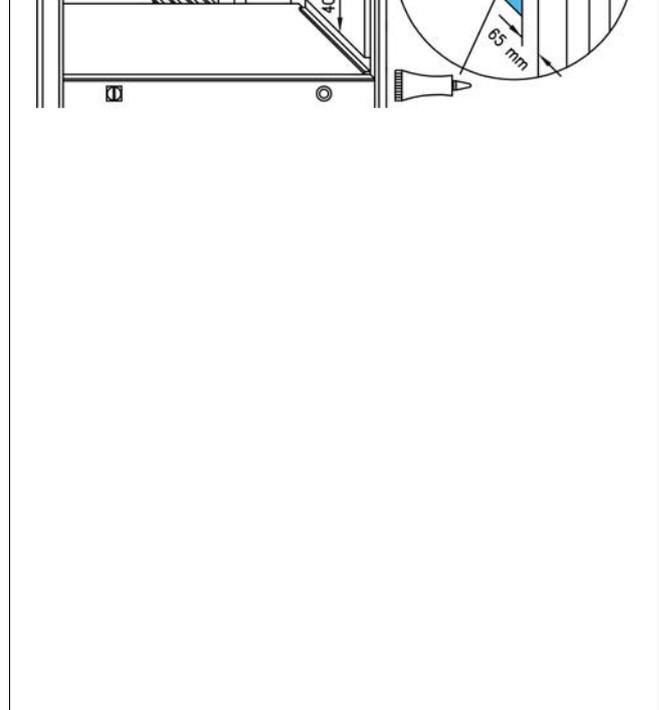
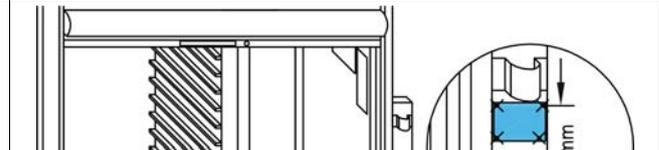
# HÄNEL - Checklist for Lean-Lift Safety Signs

 <p><b>ACHTUNG</b></p> <p>Bei Gebrauch Weighing- und Plattformwaagen ist die Ladungsgrenze zu beachten. Überladung führt zu Beschädigung der Waage und Gefahr für Personen. Über die Waage nicht springen. Bei Beschädigung sofort melden.</p>	<p><b>Weighing device</b></p> <p>At every access point with weighing device.</p> <p>07 100 402</p> <p><b>Caution!</b> When mounting signs, always be sure not to damage cables or parts.</p>	
 <p><b>ACHTUNG</b></p> <p>Bei dem Start einer Bewehrungsarbeiten, Bewehrungsarbeiten, Handhabung des Lifts sind Personen im Gefahrenbereich sofort aus dem Gefahrenbereich zu entfernen. Bei Beschädigung sofort melden.</p>	<p><b>Automatic closing door</b></p> <p>For fire protection version. At every access point.</p> <p>07 100 403</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
 <p><b>ACHTUNG</b></p> <p>Befahrungsbereitschaft, Bewehrungsarbeiten, Bewehrungsarbeiten, Handhabung des Lifts sind Personen im Gefahrenbereich sofort aus dem Gefahrenbereich zu entfernen. Bei Beschädigung sofort melden.</p>	<p><b>Lifting gear with castors</b></p> <p>At every side part on the flat steel support between the supports for the lifting device.</p> <p>07 100 407</p>	
 <p><b>ACHTUNG</b></p> <p>Bei dem Start einer Bewehrungsarbeiten, Bewehrungsarbeiten, Handhabung des Lifts sind Personen im Gefahrenbereich sofort aus dem Gefahrenbereich zu entfernen. Bei Beschädigung sofort melden.</p>	<p><b>Openings in housing</b></p> <p>With openings in housing height <math>\geq 2.7</math> m (106.3") from access level. At every opening.</p> <p>07 100 411</p>	
 <p><b>SERVICE-HAUPTSCHALTER</b></p> <p>Zustich für Montage-/Reparaturarbeiten abschließen</p>	<p><b>Main service switch</b></p> <p>At every main service switch, if the first access point with main switch is separated from the switch tray or service door.</p> <p>07 100 416</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	

# HÄNEL - Checklist for Lean-Lift Safety Signs

	<p><b>Enlarged access opening</b></p> <p>At every access opening with access height <math>\leq 665</math> mm (26.18") and access opening <math>\geq 1190</math> mm (46.85"), or ground-level loading, on the right, and additionally on the left for types greater than 1860, of every opening.</p> <p>07 100 417</p>	<input type="checkbox"/>	
	<p><b>Automatic container ejector</b></p> <p><b>Hand injury warning</b></p> <p>At every automatic ejector. Centred to each ejector chain.</p> <p>07 100 420</p>	<input type="checkbox"/>	
	<p><b>Safety rope</b></p> <p>At motor carrier plate and bracket for safety rope turnbuckle</p> <p>07 100 421</p>	<input type="checkbox"/>	
	<p><b>Automatic container ejector with safety slider</b></p> <p>At every ejector with safety slider for types less than 2860.</p> <p>On cover plate.</p> <p>07 100 422</p>	<input type="checkbox"/>	
	<p><b>Automatic container ejector with side access protection</b></p> <p>At every ejector with side access protection for types less than 2860.</p> <p>On cover plate.</p> <p>07 100 423</p>	<input type="checkbox"/>	

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	<p><b>Safety instructions – non-EU</b></p> <p>On wiring cabinet drawer for delivery outside of EEA, Switzerland and Turkey. 07 100 427</p> <p>When the lift is covered with panelling (e.g. air-conditioned enclosure), the sign must also be attached to the panelling.</p>	
	<p><b>Automatic container ejector</b></p> <p>At every ejector of types greater than 2460. On cover plate. 07 100 430</p>	
	<p><b>Supplement to the Short operating instructions</b></p> <p>In the access point below the Short operating instructions sign.</p>	
<p>For guide rails or transporters with 1000 kg (2205 lbs.) load or &gt;type 2460. 07 100 433/1</p> <p>For container version for cable drums. 07 100 433/2</p> <p>For flooding the lift with any medium other than that in the lift environment. 07 100 433/3</p> <p>For lift climate control in standard temperature range. 07 100 433/4</p> <p>For lift climate control +40°C to +50°C (+104° to +122°F). 07 100 433/5</p> <p>For lift climate control +50°C to +60°C (+104° to +122°F). 07 100 433/6</p> <p>For lift climate control 0°C to +50°C (+104° to +122°F). 07 100 433/7</p> <p>For lift climate control 0°C to -20°C. 07 100 433/8</p> <p>For drying the inside of the lift. 07 100 433/9</p>		
	<p><b>Varioarm system type plate</b></p> <p>For Varioarm system. At every access point. 07 100 438</p>	

# HÄNEL - Checklist for Lean-Lift Safety Signs

The standard operating manual also covers: Flooding with nitrogen, extinguishing nozzles  
 Special Operating Instructions are required for temperatures <math><5^{\circ}\text{C}</math> or <math>>40^{\circ}\text{C}</math> (<math><41^{\circ}\text{F}</math> or <math>>104^{\circ}\text{F}</math>)



All signs present/installed. Name of technician/service: \_\_\_\_\_ Signature: \_\_\_\_\_

	CA glue KBS 10020
	Aluminium blind rivets 2.4 x 5.1 mm (0.095" x 0.201") (Aluminium blind rivets 2.4 x 9.3 mm (0.095" x 0.366") for sign 07 100 396, 07 100 312) required tools: hand riveter, HSS drill bit $\varnothing$ 2,9 mm (0.114")
	Double-sided adhesive tape, 19 mm (0.748") wide