



Lindner Hinged Door Swing MPH

## Description

Lindner hinged doors are suitable for a variety of applications. Originally developed for use in GMP-cleanrooms, they also provide outstanding services in all kinds of areas with the highest hygiene requirements and are tailored in detail to these areas of application. The flexible design makes it possible to implement a radiation protection variant for operating rooms or X-ray rooms without optical modifications.

The Lindner Swing MPH door can be implemented as a complete package with automatic drive, lock control, holding magnet or other electrical components. Whether for simple manual use, automated or as a complex system integrated into airlock controls - the options are almost limitless. The door leaf has a thickness of 40 mm and the door gap is 3 – 4 mm.

Specialized solutions can be implemented for specific projects at any time.

## Fields of application

- Pharmaceutical industry
- Intensive care units
- Laboratories



For further information please visit  
[www.Lindner-Group.com](http://www.Lindner-Group.com)

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## 1. Door Leaf

Number of door leaves	<ul style="list-style-type: none"> <li>• Single-leaf door</li> <li>• Double-leaf door</li> </ul>
<b>1.1 Tubular frame / Metal door leaf</b>	
Material of outer shell	<ul style="list-style-type: none"> <li>• Frame: - Galvanized sheet steel (thickness 0,75 mm) - Stainless steel (thickness 0,80 mm) - Aluminum (thickness 1,00 mm)</li> <li>• Glazing: TSG, LSG, insulated glazing</li> </ul>
Frame	<ul style="list-style-type: none"> <li>• Powder coated RAL 9010</li> <li>• Powder coated according to RAL</li> <li>• Powder coated according to NCS</li> <li>• Stainless steel double-cut (sanded and brushed)</li> <li>• Stainless steel 240 grit sanded</li> </ul>
<b>1.2 Built-in components / Extensions</b>	
Handle options	<ul style="list-style-type: none"> <li>• Knob / Knob</li> <li>• Handle / Knob</li> <li>• Handle / Handle</li> </ul>
Hinges	<ul style="list-style-type: none"> <li>• VX – hinges</li> <li>• Hidden hinges</li> </ul>
Main locks	<ul style="list-style-type: none"> <li>• Mortise lock class 4</li> <li>• Panic mortise lock</li> <li>• Profile cylinder</li> </ul>
Door sealing (optional)	<ul style="list-style-type: none"> <li>• Frame sealing</li> <li>• Floor sealing</li> </ul>
Glazing (optional)	<ul style="list-style-type: none"> <li>• Without blind / roller blind</li> <li>• With internal electric blind</li> <li>• With internal manual blind</li> <li>• With internal electric roller blind</li> </ul>
Installation variants of glazing	<ul style="list-style-type: none"> <li>• Flush installation without covering frame</li> <li>• With surface mounted covering frame</li> </ul>
Special glazing (optional)	<ul style="list-style-type: none"> <li>• Radiation protection</li> <li>• Laser protection</li> </ul>
Additional hardware	<ul style="list-style-type: none"> <li>• Additional locks</li> <li>• Reed switches</li> <li>• Electric opener</li> <li>• Strike plate</li> <li>• Scratch protection</li> </ul>



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## 2. Frame

Material	<ul style="list-style-type: none"> <li>Galvanized steel</li> <li>Stainless steel</li> </ul>
Surface	<ul style="list-style-type: none"> <li>Powder coated RAL 9010</li> <li>Powder coated according to RAL</li> <li>Powder coated according to NCS</li> <li>Stainless steel double-cut (sanded and brushed)</li> <li>Stainless steel 240 grit sanded</li> </ul>
Controls	<ul style="list-style-type: none"> <li>Operation button <sup>1)</sup> (<i>permanent on, person-, bed passage</i>)</li> <li>Rubber pad operation button on the frame <sup>1)</sup></li> <li>Pad switch <sup>1)</sup></li> <li>Non-contact controls <sup>1)</sup> (<i>integrated in the adjacent wall</i>)</li> </ul>
Controls / Signals (optional)	<ul style="list-style-type: none"> <li>Button for operating the integrated electric blinds and roller blinds</li> <li>Emergency button (for interlocking)</li> <li>Traffic light LED-RGB (for interlocking)</li> </ul>
Specials (optional)	<ul style="list-style-type: none"> <li>Radiation protection</li> </ul>

1) Only available with automatic drives.

## 3. Door Drive / Door Closer

Door closer	<ul style="list-style-type: none"> <li>Integrated door closer</li> <li>Overhead door closer</li> </ul>
Drive type	<ul style="list-style-type: none"> <li>Automatic door drive according to DIN EN 16005 / DIN 18650</li> </ul>
Special function (optional)	<ul style="list-style-type: none"> <li>Airlock function according to requirement</li> </ul>

## 4. Safety Precautions

Sensors (optional)	Door movement monitoring according to DIN 18650 and DIN EN 16005
Door leaf monitoring	Electronic monitoring of dynamic force limitation when opening and closing; the door stops and remains stopping as soon as the allowable resistance is exceeded.

## 5. Performance

Fire protection	T0
Sound insulation	Up to 35 dB Rw acc. to DIN EN 20140-3 (ISO 140-3: 1995) *

\*Only for single leaf doors



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