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EPSS-H12014 第一版

YIDA EXPRESS ELEVATOR



Freight Elevator Series 载货系列电梯

EHJ20 \ EHW20 \ EHQ20 \ EZJ10



怡达快速电梯

更安全的承载
是我们的使命

Safer bearing is our mission



About Us 公司简介



每天，全球有50多个国家和地区享受到怡达快速电梯带来的安全、高效、节能的上下体验。

致力于专业从事电梯研发、设计、制造、销售、安装、维保，中美合资怡达快速电梯有限公司是国内较早取得电梯A级制造许可证的企业之一。

如今，怡达快速电梯在总占地面积约11万平方米的新厂区，引进当今世界最先进的自动化生产设备，建立起世界一流的电梯专业工厂，制造全球的智选电梯。

“提供完美的电梯安全与服务”，不再只是一句口号，而是落在电梯选材、设计、生产、检测、安装、维保的每个环节，为客户提供具有国际水准的适配产品和卓越服务。

Everyday, more than fifty countries in the world can enjoy the perfect ride experience, which is safe, efficient, energy saving from Yida Express Elevator.

Devoting itself to professional working in elevator research, design, manufacturing, sale, installation and maintenance, Sino-American Joint Venture Yida Express Elevator Co.Ltd. is one of the earliest companies in China, which achieve A-class elevator manufacturing license.

Nowadays, Yida Express Elevator has moved to the new factory, which covers an area of about 110000㎡.The company has imported the most advanced high automation level production equipments and built first-class elevator professional factory. It devotes to manufacturing intelligent elevators supplied to all over the world.

“Provide prefect elevator safety and service” is not just a slogan. Instead, it is implemented in every production step such like elevator material selection, design, manufacture, inspection, maintenance. It provides compatible product with international standard and excellent service.





高集成智能控制系统

采用双32位CPU，主从CPU相互控制，更大程度提高了数据处理速度。系统内设置的高智能微机模块，对电梯运行实施最安全、精确、高效的管理控制。

Highly integrated and intelligent control system

Double 32 bit CPU, mutual control between main CPU and sub CPU, increases the speed of data processing to a great extent. Moreover, the highly intellectual micro-computer module inside our systems guarantee the most secure, accurate, and effective control to our elevator.



Intelligent System 智能系统



1 特色安全功能

▪ 抱闸力自动检测

电梯制动器长时间使用造成的闸皮磨损会导致其制动力下降，系统将适时按“标准”对其进行制动力的检测及报警提示。

▪ 曳引绳滑动检测

实时检测电梯运行（位置）偏移量，超出允许值时，电梯减速，停止运行（就近平层）。

Safety Function

▪ Brakeage Automatic Detection

Brake rubber abrasion, which is caused by elevator brake using for a long time, will lead to decline the brake force. System will detect the brake force and alarm remind according to the "Standard".

▪ Hoisting Rope Sliding Detection

Deviation of running location is detected in real time. Elevator slow down and stop running when the steel rope slipping exceeds the allowable value. (stopping on the nearest floor)

2 远程监控

▪ 智能终端异地监控

在监控中心或远程的智能手机可实时观测异地电梯的参数及运行状态，且能通过数据流传输语音、图片、视频等。

Remote Monitor

▪ Intelligent terminal remote monitor

It can monitor the elevator parameters and running condition in the monitor center or remote intelligent cellphone. Meanwhile, it can transfer voice, pictures and videos by data stream.

3 智能分析

▪ 故障分析专家系统

自动获取故障发生时的电梯状态信息，后台分析，处理。显示分析结果并给出故障描述，安全可控。

Intelligent analysis

▪ Failure analysis expert system

To acquire the elevator state information automatically when it is failure, then system will make analysis and dispose. It will display the analysis result and describe the failure.

4 智能IC卡系统

根据用户的需求，可配置IC卡智能管理系统，对电梯实行权限管理，提高楼宇管理的安全性。

Intelligent IC card system

IC card can be configured according to user requirements, IC card can execute permissions management for elevator, which improves the safety of the building management.



Energy conservation & Environment protection

节能环保

降低城市建筑碳排放！

怡达快速电梯严格遵循美国快速电梯全球产品研发标准，采用世界领先的先进技术和设计理念，运行高效、节能环保，为您的未来提供完美运载。

Reduce the building carbon emissions

EPSS elevator complies with the Products Research & Development standard of American Express Elevator Co., Ltd. strictly. With advanced technology and design concept, featuring effective running and energy-conservation and environment-protection, it provides a perfect carrier for your future.

变频曳引主机，安全节能、效率高、噪音低、振动小、运行平稳、润滑性能好、性能优越，极大的满足了用户对电梯产品性能稳定、节能、运行平稳的高要求。

The VVVF and asynchronous traction machine has superior characteristics such as high safety, energy-saving, high efficiency, low noise, tiny vibration, smooth running, good lubricity, superior performance, etc. It can always satisfy the customer's high requirements for the elevator.



Variable Voltage Variable Frequency (VVVF) traction machine
变频主机

LED轿内照明装置，光线柔和明亮，热度低，安全、高效、无辐射，有利于长效使用，且系统在电梯空闲未使用状态下自动熄灭，绿色环保。

LED lighting device in car is beneficial to long-term use, the lighting is soft and bright, low-heat, safe, high efficient and no radiation, and automatically power off in the elevator idle, it is environment protection.



LED automatic lighting
LED自动照明

EHJ20

freight elevator 载货电梯

EHJ20系列载货电梯，具有结构坚固耐用，货物运输安全可靠，安装维修便利等优点，集众多世界领先技术于一身，拥有同类产品无可比拟的载重量选择范围，最大载重可达12000kg，广泛用于工厂、仓库、超市、物流中心等场所。

EHJ20 series freight elevator with solid car structure can carry goods safely and reliably, also be installed and repaired conveniently. It joints numerous world's leading technology, owns an incomparable load selection range among which the maximum load can reach 12000kg, it is widely used in factories, warehouse, supermarket, and logistic distribution center, etc..



EHW20

Machine roomless (MRL) freight elevator 无机房货梯

EHW20系列无机房货梯采用先进的永磁同步无齿轮曳引技术，设计合理，无需机房；其曳引机重量轻、体积小，更节省了建筑空间，大大提高了无机房货梯的性能与品质，降低了能耗、故障率。

EHW20系列无机房货梯具有结构严谨、经久耐用、开门距大、运行平稳安全等优点。成为工厂、仓库、百货大厦、物流中心、图书馆等单位运输货物的最佳选择。

EHW20 series MRL freight elevator adopts advanced permanent magnet synchronous gearless traction machine, its design is reasonable and doesn't need machine room. The traction machine is of light weight and small size, saving construction space, reducing energy cost and fault rate, which improves the performance and quality of the freight elevator greatly.

EHW20 series MRL freight elevator has superior characteristics such as strong structure, durable use, wide door opening, smooth and safe running, etc. It becomes to be the best transportation tool for factory, warehouse, shopping center, logistics center, library and so on.





EHQ20系列汽车电梯，充分利用怡达快速多年的汽车电梯制造技术，结合国内外行情而研发的，采用先进成熟的控制技术精确调速控制，高强度坚固设计，避免了因轿厢受力不均而导致的厢体变形而产生噪音及轿厢抖动，最大程度优化了这一系列产品的特性，令汽车的出入更加安全可靠。可广泛应用于停车场、汽车修理厂、地下车库等场所。

EHQ20 series automobile elevator makes full use of YIDA EXPRESS' many year automobile manufacture technology and is designed according to the need in the domestic and oversea markets, it adopts the advanced control technology to control the speed precisely, and high strength design is to avoid noise and vibration due to the deform of the cabin caused by unbalanced load. We optimized the characteristics of this series products to maximum, which make the automobile entry and exit more safer. It is widely used in parking lot, vehicle repair plant, underground garage, etc.

EHQ20

Automatic elevator 汽车电梯



随着物流中心、大型仓库、大型工厂的建筑物越来越多，而土地资源稀缺，提升高度较高、超大吨位的载货电梯有着非常广阔的市场前景。为扩大曳引式载货电梯的应用范围，以满足客户对超大载重货梯的特殊需求，公司自行投入研制一种最大额定载重量为12吨的载货电梯。经过一系列课题研究和攻关，成功解决了：曳引比6:1的大跨距悬挂装置；分散负载的轿厢导轨系统；可安装三组动滑轮轿厢架和轿厢结构；大负载安全钳装置及其制动模块的材质、结构、实验测试；机房分布式承重结构和导向轮的布置。

我们的超大载重曳引电梯产品具有完全的自主知识产权，通过上海交通大学电梯检测中心的型式试验，性能指标符合产品标准要求。产品还荣获“2013年度湖州市技术创新项目奖”、“2014年度浙江省科技成果奖”。

12T

large load transfer 超大载重货梯

Because logistic center, large warehouse, large factory are increasing more and more, scarce land resources brings broad market prospects for high traveling and large capacity freight elevator. To expand the scope of traction freight elevator and meet the customer's special requirements for big capacity freight elevator, our company designed and manufactured 12000KG freight elevator. After a series of technical research, it is successful to solve below technical difficulties: large span suspension device for traction ratio 6:1; load-distributed guide rail system; cabin frame and structures with 3 groups of travelling blocks; big load safety gear device and its braking wedge material, structure and test; load-distributed supporting structure in machine room and deflection sheave layout.

Our large load traction elevator has complete proprietary intellectual property rights, and it was tested by Shanghai Jiao Tong University Test Center, its performance completely complys with the standard requirement. Company was awarded "2013 Huzhou Technology Innovation Award", "2014 Zhejiang Technology Achievement Award".



EZJ10系列杂物电梯占用空间小，无需很强的土建承载力，无论对
新旧建筑物均能实现完美、经济的设计。

本系列杂物梯安全、实用、雅致、宁静、操作灵活且易于维修，具
有多种标准系列的品种和规格，亦可根据用户需求专门设计。

EZJ10 series dumbwaiter elevator only need compact space, it
needn't strong construction loading capacity, we can design
and provide perfect and economic dumbwaiter for new or old
building.

This series dumbwaiter is safe, practical and elegant, easy for
operation and maintenance. It has several kinds and specifica-
tion, we also can design it as per the requirements of customers.



EZJ10

Dumbwaiter elevator 杂物电梯

EZJ10系列杂物电梯采用先进的微机控制，结构新
颖，构造先进具有安全可靠、运行平稳、平层准
确、操作方便，性价比高等特点。可根据客户要
求轿厢可采用单隔板或多隔板分离，充分利用空
间，提高工作效率。

EZJ10系列杂物电梯开门方式可分为两种：窗台式
和落地式。窗台式便于货物的直接进出，落地式
便于小车载货物进出。

广泛适用于宾馆、饭店、住宅、银行、写字楼、
医院、商厦、工厂、图书馆、实验室、邮电部门
以供送诸如饮食、餐具、日用品、钱币、文件、
药品、货物、图书、仪器、函件等物品之用。

EZJ10 series dumbwaiter elevator adopts advanced
micro-processor control, it has a novel and advanced
structure with characteristics of high safety, smooth
running, accurate leveling, easy operation and high
cost performance, etc. We can design the cabin with
single square or multi-squares as per customers'
requirements to make full use of the space and
improve work efficiency.

EZJ10 series dumbwaiter elevator are divided to two
types according to the door opening way: window
level type and floor level type. The window level type
facilitates the direct passing in and out of the goods.
The floor level type facilitates the passing in and out of
the trolley with goods.

EZJ10 series dumbwaiter elevator is widely used in the
hotel, restaurant, residence, bank, office building,
hospital, commercial building, factory, library, labora-
tory, postal and telecommunication entities and so on
to carry the food, plates, articles for daily use, mon-
ey, documents, medicine, goods, books, instrument, let-
ters, things like that.



Cabin 轿厢

< 12吨轿厢 12000KG Cabin

轿顶: 钢板喷塑	Ceiling: Painted steel
轿壁: 钢板喷塑	Cabin wall: Painted steel
照明: LED自动照明	Lighting: LED light
轿门: 钢板喷塑	Cabin door: Painted steel
地板: 花纹钢板	Flooring: Checkered plate

Cabin (standard)

∨ EX-H02 轿厢 (标配)

轿顶: 钢板喷塑	Ceiling: Painted steel
轿壁: 钢板喷塑	Cabin wall: Painted steel
照明: LED自动照明	Lighting: LED light
轿门: 钢板喷塑	Cabin door: Painted steel
地板: 花纹钢板	Flooring: Checkered plate

Cabin (optional)

∨ EX-H03 轿厢 (选配)

轿顶: 发纹不锈钢	Ceiling: Hairline stainless steel
轿壁: 发纹不锈钢	Cabin wall: Hairline stainless steel
照明: LED自动照明	Lighting: LED light
轿门: 发纹不锈钢	Cabin door: Hairline stainless steel
地板: 花纹钢板	Flooring: Checkered plate



Landing door

厅门

EX-M20

双折中分式

厅门：钢板喷塑（标配）；发纹不锈钢（选配）

门套：钢板喷塑（标配）；发纹不锈钢（选配）

4-panel center opening

Landing door:

Painted steel (standard); Hairline stainless steel (optional)

Jamb:

Painted steel (standard); Hairline stainless steel (optional)



EX-M10

双折旁开式

厅门：钢板喷塑（标配）；发纹不锈钢（选配）

门套：钢板喷塑（标配）；发纹不锈钢（选配）

2-panel side opening

Landing door:

Painted steel (standard); Hairline stainless steel (optional)

Jamb:

Painted steel (standard); Hairline stainless steel (optional)



EX-YS07

马钢代码6009



EX-YS08

马钢代码7013



EX-YS09

马钢代码1011

Color code

色标 (可选)



EX-AC05



EX-JC05



EX-AC06



EX-JC06

C.O.P./H.O.P.

操纵箱 / 外呼

(可选)

Standard Function 标配功能

注：部份功能不适用杂物电梯
Remark: Partial functions are not applied on dumbwaiter elevator.

运行功能	
电梯变频驱动	精确调整电动机转速，令电梯启动、运行、停止时的速度曲线平滑、圆滑，获得良好的舒适感。
门机变频驱动	精确调整门电机转速，使电梯门的开启、关闭更轻柔灵敏。
自动运行	电梯在无人操作的情况下，按照给出的指令自动运行，将货物送至目的层。
司机运行	电梯由司机进行操作，司机按请求给出指令，电梯按指令要求驶向目的层。
最佳曲线自动生成	以距离为原则，自动运算出最适宜人机功能原理的速度曲线，没有个数的限制，而且不受短楼层的限制。
加速段载车响应	系统允许在电梯加速的过程中载车，自动响应相应的服务楼层指令，提高运行效率。
分时服务层选择	系统可以灵活设定分时服务时间段和相应的分时服务楼层。
满载直驶	当轿内装满货物或负载接近预定值，为保持最大运行效率，该轿厢将自动超过召唤楼层。
开门时间自动调整	按照楼层召唤或轿厢召唤的区别，自动调整保持开门时间。
本层重开门	关门途中，可以按本层站召唤按钮使门重新开启。
即时关门	电梯停站开门到位时，按下关门按钮，门立即被关闭。
停梯开门	电梯减速平层，直到完全停稳后方可开门。
轿厢到站铃	基于轿厢的电子钟的铃声告知乘客电梯已到站。
指令误登记消除	乘客可以采用连续按动指令按钮两次的方法来取消错误登记的指令。
驻停	关闭电梯后电梯进入驻停状态，电梯不再响应任何外呼。
换站停靠	如果电梯在开门超过开门保护时间后，开门到位信号仍然无效，电梯将自动关门，自动运行至下一层停靠。
低速自救	当电梯处于非检修状态，且未停靠在平层区，此时如符合运行的安全要求，电梯将自动以慢速运行至平层区，然后开门。
直接停靠	自动运算生成运行曲线，没有爬行，直接停靠平层位置，提高运行效率。
按钮嵌入自诊断	若某层呼梯按钮嵌入长时间未断开，系统不再登记该楼层呼梯，且对应的按钮灯不断闪烁报警。
防捣乱	当电梯连续多次到站开门光幕不动作，系统判断为捣乱，取消已经登记的指令。
自动关门时间延长	按轿厢内的专用按钮，可使门在一段时间内保持开门状态，方便货物运输。

Running Function	
VVF Drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in elevator start, travel and stop and gain the comfort.
VVF Door Operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start/stop.
Automatic Running	When there is no attendant who operates elevator, elevator will run to the destination floor according to the instruction of passenger automatically.
Attendant Running	Elevator is operated by attendant. attendant press car calls as request of passengers and elevator will run to the destination floor according to the car calls.
Best Curve Autogeneration	Based on principle of distance, calculating the speed curve, which is most suitable for human-machine function theory, and without limit by floor number and short floor height.
Response in Accelerating Process	System allows the elevator to stop during accelerating process, to respond service floor call. This function improves the running efficiency.
Time-sharing Service Floor Selection	System allows to set time period and corresponding service floor flexibly.
Full Load by Pass	When the car is full load, the elevator will by pass the landing calls which has been registered to keep maximum running efficiency.
Automatic Adjustment of Door	According to current registered landing call and call situation, system will automatically adjust the door open holding time.
Open Holding Time	

Door Re-open at Current Floor	When door is closing, door can re-opened by pushing landing call button at current floor.
Instant Door Close	When door is completely opened, by pushing the door close button, door will close at once.
Door Open After Stop	Elevator decelerates to land, until it completely stops, then door can be opened.
Arrival Gong	Arrival gong on the car top advices passengers that elevator arrives.
Car Call Cancel	If passengers press a wrong floor button in car, to press same button again can cancel the wrong register.
Parking	When electric key switch is turn off, elevator enters into parking state, it will not serve to any landing call.
Next Landing	If door open limit signal is invalid when door open time exceeds the preset door open protection time, the elevator will close the door automatically and run to the next landing for parking.
Self Rescue in Low Speed	When the elevator is not in inspection status and not at leveling position, elevator will run to the leveling zone and open the door if it meets safety requirement at the time.
Direct Landing	Running curve is generated automatically without crawling process. Elevator lands at the leveling zone directly, which enhances the running efficiency greatly.
Button Inset Diagnose	If any floor button is pressed for a long period, system won't register this floor call, and the corresponding button light will twinkle to alarm.
Anti-nuisance	When light curtain doesn't act continuously on several landings, system will judge it as nuisance, all the registered car calls will be cancelled.
Door Close Delay	Pushing the door open holding button in car can prolong the door open state for a period, which is convenient of transport.

应急功能	
应急照明	停电时，自动打开轿内应急照明。
紧急电动运行	当进入紧急电动状态时，轿厢以低速点动运行。
五方通话装置	通过对讲机，可在轿内、轿顶、电梯机房、并道机房、救援值班室之间通话。
警铃	紧急时，连续按下轿内操纵箱上的警铃按钮，安装于轿厢顶上的警铃会鸣响。

Emergency Function	
Emergency Lighting	When power is off, car emergency light gets on automatically.
Emergency Electric Operation	When elevator enters into emergency electric operation state, elevator runs in low speed jog running.
5-way intercom	Communication between car inner, car top, machine room, pit and security room through intercoms is realized.
Alarm bell	In emergency situation, pressing the alarm bell button on C.O.P. continuously, alarm bell on car top will ring.

节能功能	
风扇、照明自动关闭	在规定的时间内没有召唤或指令信号，轿厢内风扇和照明会自动关闭，节约能源。
定时自动开关梯	系统按所设置时间自动开梯/关梯。

Energy Saving	
Fan& light automatic off	If there is no car call or landing call in a preset time, car inner fan and light will be automatically off to save energy.
Start/stop timing	System automatically turn elevator on or off according to the preset timing.



安全功能

抱闸力自动检测	系统将定期对制动器的制动力进行检测，如制动力不符合要求，采取保护措施。
光幕保护	光幕被遮挡时，夹门动作立即停止且自动开门。
超载停放	轿厢超载时，电梯门常开，蜂鸣器鸣响并停止于该层站。
曳引绳滑动检测	实时检测电梯运行位置偏移量，钢丝绳打滑超出允许值时，电梯减速，停止运行。
检修操作	当进入检修状态时，轿厢以低速点动运行。
故障自诊断	控制器可记录最新的20个故障，以便快速排除故障，迅速恢复电梯运行。
故障自动停靠	运行中系统发生故障，安全回路有效的前提下，电梯就近平层开门。
重复开关门	电梯开关门时受阻或干扰，电梯门会重复打开或关闭。
上下越层及上下极限保护装置	该装置可有效地防止当电梯万一发生失控时的冲顶或撞底现象，使电梯更安全可靠。
下行超速保护装置	当电梯下降运行超速时，该装置自动切断控制电源，使电机停止运转，安全制动器，强制电梯停止运行。
上行超速保护装置	当电梯上行超速时，该装置自动将电梯减速或制停。
安全回路保护	安全回路断开，或安全回路接触器粘连，电梯立即停止。
门锁保护	门全部关闭，电梯方可运行，或门锁接触器粘连，电梯立即停止。
接触器保护	系统随时检测接触器动作是否可靠，发现异常，立即停止运行。
抱闸检测保护	对抱闸臂的打开和闭合实时检测，若发生异常，或抱闸接触器粘连，电梯禁止启动。
电压自动识别功能	系统通过检查输入电压的大小，自动调节电梯运行速度，以适应电源功率不足的情况(如应急运行)。

Safety Function

Brakeage Automatic Detection	The brakeage will be detected by system automatically and regularly. If brakeage does not meet the requirement, it should take protection measures.
Light Curtain Protection	When light curtain is sheltered, door will stop closing at once and automatically open.
Overload Stop	When elevator is overload, elevator door keeps opening, buzz rings and elevator stops at the current floor.
Hoisting Rope Sliding Detection	Deviation of running location should be detected in real time. Elevator slow down and stop running when the steel rope slipping exceeds the allowable value.
Inspection Operation	When elevator enters into inspection state, car runs in jog state.
Troubleshooting	Controller can record the latest 20 faults in memory to facilitate the fault elimination and restore elevator running.
Auto-landing with Fault	When there is any fault occurred in elevator running, and safety circuit is valid, elevator lands to the nearest floor.
Door Close Repeat	Due to the obstacle or interference, elevator door repeats door open and close.
Top/bottom Limit and Final Limit Protection	The devices can prevent elevator from crashing to the top or bottom of hoistway in case that elevator is out of control with fault. It ensures the safety and reliability.
Down Running Protection	When elevator runs down in over speed, this device cuts off the control power to stop the motor running, safety gear is motivated to force elevator to stop and ensure the safety.
Up Running Protection	When elevator runs up in over speed, the device forces elevator to decelerate and braking.
Safety Circuit Protection	When elevator circuit is open or contacts are adhered, elevator stops running at once.
Door Interlock Protection	Only when all doors are completely closed, elevator can run. When door interlock contacts are adhered, elevator stops running at once.
Main Contactor Protection	System detects if the main contactor acts reliably, if any abnormal is detected, elevator stops running at once.
Brake Detecting Protection	System detects the brake state, if there is any abnormal or braking contacts are adhered, elevator can't start running.
Voltage Automatic	System will adjust running speed automatically in order to adapt to underpower condition(such as emergency running) by checking input voltage.
Recognition Function	

人机界面

微动指令按钮	轿内操纵箱指令按钮及层站召唤按钮采用新型微动按钮。
运行状态显示	系统能显示电梯运行方向、层楼、开关门、故障等信息。
机房选层	通过控制柜内的按键操作，进行内选登记。
不停层任意设定	可根据用户需要任意设定不停靠层站。
待梯层任意设定	可根据用户需要任意设定待梯层站。
层楼显示任意设定	可根据用户需要任意设置各层楼的显示字符(字母、数字)。
井道参数自学习	通过自学习，系统将测出各层楼的间距数据，并永久保存。
干扰评价	系统可对现场控制柜接地情况、井道线接地情况等作出正确评价。
编码器评价	自动检测编码器输出脉冲质量，及评价受干扰情况。
输入口干扰评价	系统可对输入信号进行评价，指导作业人员合理布线、接地。
操纵箱调试	调试人员通过操纵箱的接口连接系统调试电梯，提高效率。
运行次数及时间记录	系统可自动记录电梯运行次数及时间，以便提醒电梯维修保养。

Human-Machine Interface

Micro Push Button	C.O.P. and H.O.P. both adopts new micro push button.
Running State Display	System can indicates running direction, floor, door state, default ect.
Floor Selection in Machine Room	By operation on LCD indicator in the control cabinet, car call can be registered.
No Stop Floor Set	Set the non-stop floor according to the customer' requirement.
Homing Floor Set	Set the homing floor according to the customer' requirement.
Floor Indication Set	Set the indication (word or digit) for every floor.
Hoistway Self-learning	Through hoistway self-learning, system can measure out the distance between every floor and record them permanently.
Interference Evaluation	System can evaluate the earthing situation of control cabinet and hoistway cable.
Encoder Evaluation	System can evaluate the encoder output pulse and interference situation.
Input Port Evaluation	System can evaluate the input signal and conduct the electrician do the wiring and earthing properly.
COP Debugging	Debugging personnel connects system by plug of COP and it improves debugging efficiency.
Running Times and Time Record	System will record the elevator running times and time automatically so to remind maintenance.

+ Optional Function 选配功能

注：部份功能不适用杂物电梯
Remark: Partial functions are not applied on dumbwaiter elevator.

监控功能

远程监控	通过有线或无线通讯模块和软件，对电梯运行状态进行实时监控。
曳引机监控	无机房电梯若有曳引机监控系统，维修人员无需进入井道就可查看曳引机运行状况。

Monitor Function

Remote Monitor	By wire or wireless communication module and software, system performs real-time monitoring of elevator running state.
Traction Machine Monitor	MRL elevator has machine monitor camera, maintenance persons can monitor the machine running state without entering into the shaft.



+ Civil work parameters 土建参数

运行功能

消防联动功能	系统接收到大楼消防信号，电梯进入消防状态，返回到消防层后反馈信号给大楼消防中心。
提前开门	电梯减速进入开门区域，提前开门，提高运行效率。
贯通门独立控制	当轿厢有两个门时，可根据用户的具体需求实现对两个门的独立控制。
再平层功能层	电梯在当前层，当过多货物进入电梯或离开电梯时，由于钢丝绳的伸长或缩短，轿厢偏离平层区，电梯将启动低速运行至平层区。
并联功能	用于两台电梯并联运行，互相调度减少候梯时间，以提高运行效率。
能量回馈功能	待电梯运行过程中产生的再生能量回馈到电网，达到绿色节能效果。
地震功能	当地震检测装置动作，信号输入到系统，电梯会就近停靠，停止服务，直到地震信号清除，人工复位故障后才恢复正常。
消防返回	消防状态下，所有召唤均被取消，电梯立即驶往指定救援层站停靠，并自动开门。

Running Function

Fire-fighting Linkage Function	Elevator will enter into fire-fighting status once system receive the fire-fighting signal, feedback signal to fire-fighting center after back to fire-fighting floor.
Advanced Door Opening	When elevator enters into leveling zone, it opens door in advance, this function improves elevator running efficiency.
Double Door Independent Control	When the car has two doors, two doors can be controlled independently according to customer's request.
Re-leveling Function	When elevator lands to the current floor, due to elongation or shortening of steel rope induced by too much goods entering into car or exiting from car, elevator will depart from leveling position, then elevator will start low speed running to achieve the leveling position again.
Duplex Control Function	This function is for two elevators' duplex control, it can reduce waiting time and improve the running efficiency.
Energy Feedback Function	The regeneration energy of elevator running process will be feedback to power grid to reach energy saving effect.
Earthquake Function	When earthquake detection device acts and input signal to controller system, elevator will park to the nearest landing and stop service until earthquake signal removed. It will return to be normal after manual reset.
Fire Emergency Return	In fire emergency state, all landing calls are eliminated, elevator runs to the preset floor and open door.

人机界面

语音报站	在正常运行到站的情况下，利用语音装置告知乘客有关信息。
IC卡控制功能	所有（部分）层站须经授权，必须用IC卡电梯方可使用。

Human-Machine Interface

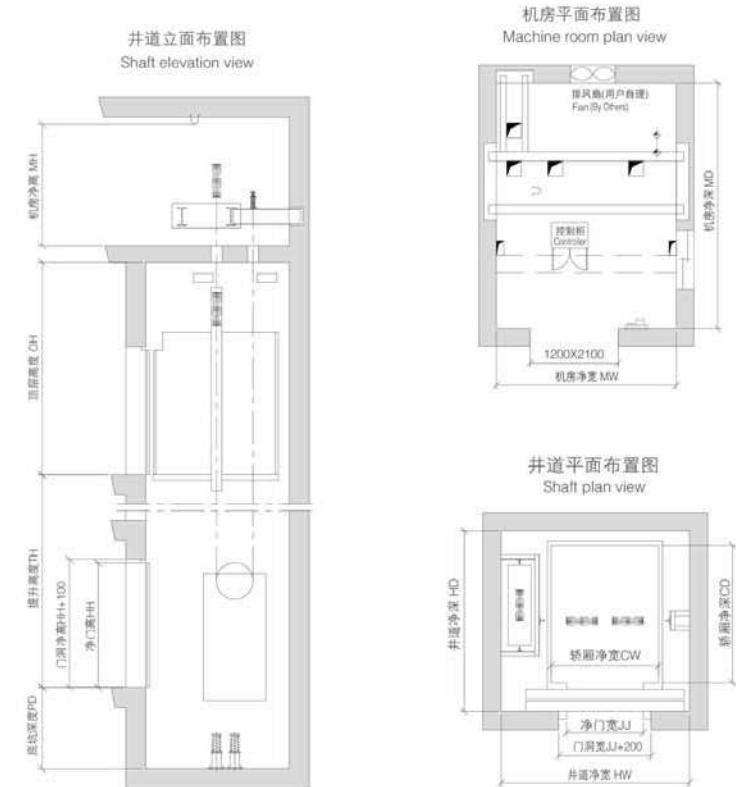
Voice Announcement	When elevator lands to the floor normally, voice announcement will advise passengers of the arrival.
IC Card Control	All (part) of the floors need entry approval, only with IC card can run the elevator.

应急功能

停电自动疏散装置	停电时，应急装置提供电源，电梯驶往最近层站，自动开门，疏散乘客。
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Emergency Function

Automatic Rescue Device (ADRD)	When power is off, this device supplies power to elevator, elevator runs to the nearest floor, open its door and evacuates the passengers.
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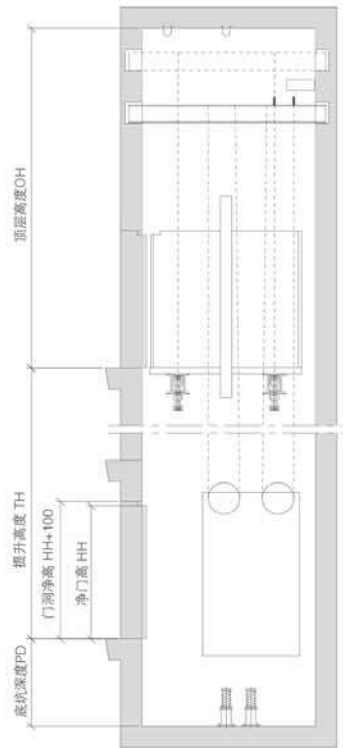
Machine room freight elevator

有机房载货电梯

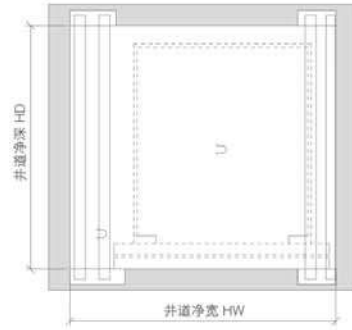
额定载重 Capacity kg	速度 speed (m/s)	开门方式 Door open type	轿门入口 Car door entrance	净开门 (宽×高) Entrance J × H (mm)	轿厢净尺寸 Car net size 宽×深 (mm) CW × CD (mm)	井道净尺寸 (mm) Shaft net size			机房尺寸 (mm) machine room size	
						宽×深 (mm) HW × HD (mm)	底坑深 PD	井道高 OH	宽×深×高 (MW × MD × MH) (mm)	
1000	0.5	双折侧开 Two panel side opening	单道 Single door 双道 Double door	1200 × 2100	1400 × 1700	2250 × 2250	1400	4500	2250 × 3300 × 2500	
		双折侧开 Two panel side opening	单道 Single door							
		双折中分 Four panel center opening	单道 Single door 双道 Double door	1500 × 2100	1700 × 2000					2800 × 2550
		双折中分 Four panel center opening	单道 Single door 双道 Double door	1800 × 2100	1900 × 2200					2800 × 2600
1600	0.5	双折侧开 Two panel side opening	单道 Single door 双道 Double door	1600 × 2100	1900 × 2200	3000 × 2750	1500	4800	3000 × 4000 × 2500	
		双折侧开 Two panel side opening	单道 Single door							
		双折中分 Four panel center opening	单道 Single door 双道 Double door	2000 × 2200	2500 × 2900					3750 × 3500
		双折中分 Four panel center opening	单道 Single door 双道 Double door	2400 × 2200	2800 × 3200					4200 × 3800
2000	0.25/0.5	双折侧开 Two panel side opening	单道 Single door 双道 Double door	1800 × 2100	2200 × 2600	3400 × 3200	1600	4800	5400 × 6600 × 3000	
		双折侧开 Two panel side opening	单道 Single door							
		双折中分 Four panel center opening	单道 Single door 双道 Double door	2800 × 2200	4000 × 5000					5400 × 5600
		双折中分 Four panel center opening	单道 Single door 双道 Double door	2800 × 2200	4000 × 5000					5400 × 5600
3000	0.25/0.5	双折中分 Four panel center opening	单道 Single door 双道 Double door	2000 × 2200	2500 × 2900	3750 × 3500	1600	4800	5400 × 6600 × 3000	
		双折中分 Four panel center opening	单道 Single door 双道 Double door							
4000	0.25/0.5	双折中分 Four panel center opening	单道 Single door 双道 Double door	2400 × 2200	2800 × 3200	4200 × 3800	1600	4800	5400 × 6600 × 3000	
		双折中分 Four panel center opening	单道 Single door 双道 Double door							
5000	0.25/0.5	双折中分 Four panel center opening	单道 Single door 双道 Double door	2800 × 2200	4000 × 5000	5400 × 5600	1600	4800	5400 × 6600 × 3000	
		双折中分 Four panel center opening	单道 Single door 双道 Double door							
12000	0.25	双折中分 Four panel center opening	单道 Single door 双道 Double door	2800 × 2200	4000 × 5000	5400 × 5600	1600	4800	5400 × 6600 × 3000	
		双折中分 Four panel center opening	单道 Single door 双道 Double door							

（注：如超出以上规格范围及6吨至12吨的货梯，请与公司销售中心联系）
Remark: Please contact with Sales department if it exceeds above specification (Include6T-12T)

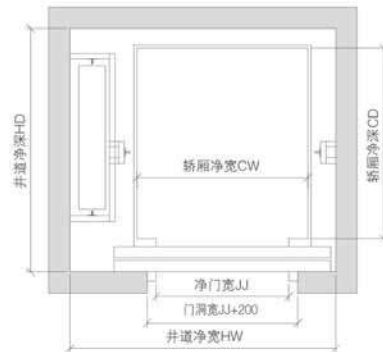
井道立面布置图
Shaft elevation view



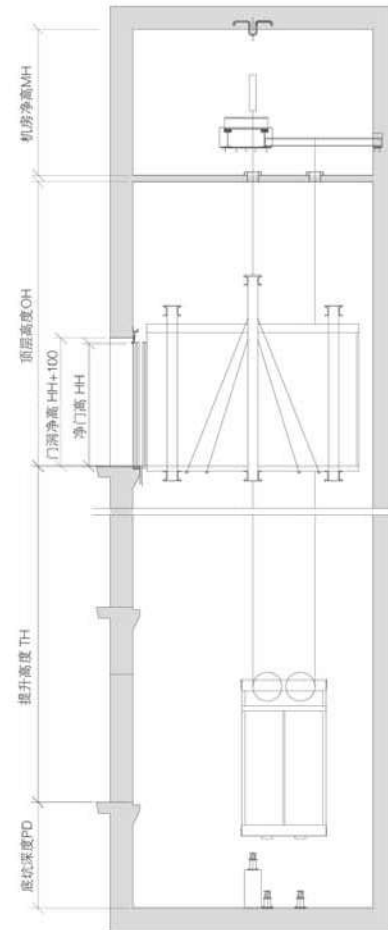
顶层平面布置图
Overhead plan view



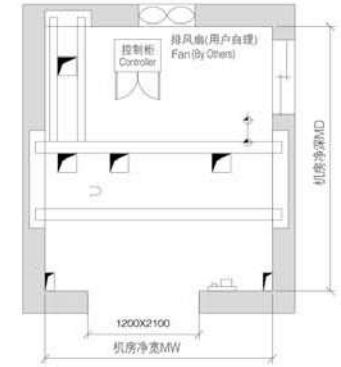
井道平面布置图
Shaft plan view



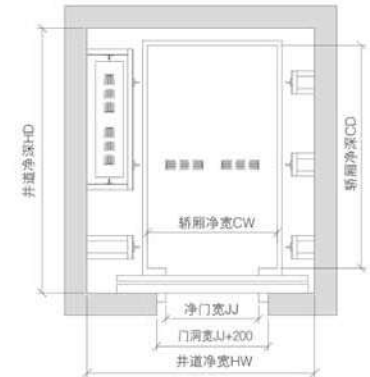
井道立面布置图
Shaft elevation view



机房平面布置图
Machine room plan view



井道平面布置图
Shaft plan view



Machine roomless freight elevator

无机房载货电梯

额定载重 Capacity kg	速度 speed (m/s)	开门方式 Door open type	净开门 (宽×高) Entrance JJ × HH (mm)	轿厢净尺寸 car net size 宽×深 (mm) CW × CD (mm)	井道净尺寸 (mm) shaft inside dimension		
					宽×深 (mm) HW × HD (mm)	底坑深 PD	顶层高 OH
1000	0.5	双折旁开 Two panel side opening	1200 × 2100	1400 × 1700	2300 × 2250	1600	4800
1600		双折旁开 Two panel side opening	1500 × 2100	1700 × 2000	2850 × 2500		
		双折中分 Four panel center opening			2950 × 2500		
2000		双折旁开 Two panel side opening	1600 × 2100	1900 × 2200	3050 × 2700		
		双折中分 Four panel center opening			3200 × 2800		
3000		双折中分 Four panel center opening	1800 × 2100	2200 × 2600	3750 × 3200		

注：如超出以上规格范围，请与公司销售中心联系
Remark: Please contact with Sales department if it exceeds above specification

Automobile elevator

汽车电梯

额定载重 Capacity kg	速度 speed (m/s)	开门方式 Door open type	轿门入口 Car door entrance	净开门 (宽×高) Entrance JJ × HH (mm)	轿厢净尺寸 car net size 宽×深 (mm) CW × CD (mm)	井道净尺寸 (mm) shaft inside dimension			机房尺寸 (mm) machine room size	
						宽×深 (mm) HW × HD (mm)	底坑深 PD	顶层高 OH	宽×深×高 (MW × MD × MH) (mm)	
3000	0.25/0.5	双折中分 Four panel center opening	单道 Single door	2300 × 2200	2500 × 5900	4000 × 6500	1600	4800	4000 × 6500 × 2800	
	0.25/0.5		双道 Double door							
4000	0.25/0.5	双折中分 Four panel center opening	单道 Single door	2400 × 2200	2900 × 6100	4300 × 6700	1600	4800	4300 × 6700 × 2800	
	0.25/0.5		双道 Double door							
5000	0.25/0.5	双折中分 Four panel center opening	单道 Single door	2600 × 2200	3200 × 6900	4650 × 7500	1600	4800	4650 × 7500 × 2800	
	0.25/0.5		双道 Double door							

注：如超出以上规格范围，请与公司销售中心联系
Remark: Please contact with Sales department if it exceeds above specification

Attentive
service

细心服务

完善的售后服务体系，
让您无后顾之忧

我们在售前、售中、售后的整个过程全面建立了完善的和高标准的服务体系，对售出的每一台电梯都将实行及时、高效地售后服务及有偿终身维修保养，让您的选择无后顾之忧。

Perfect after-sale service,
resolve the actual difficulties

We buldied a perfect and high standard service system comprehensively between before-sale, mid-sale and after sale, and we implements the perfect after-sale service and life-long repair& maintenance to every lift which has been sold to the customers. This is our solemn guarantee to you that we resolve the actual difficulties for the customers.



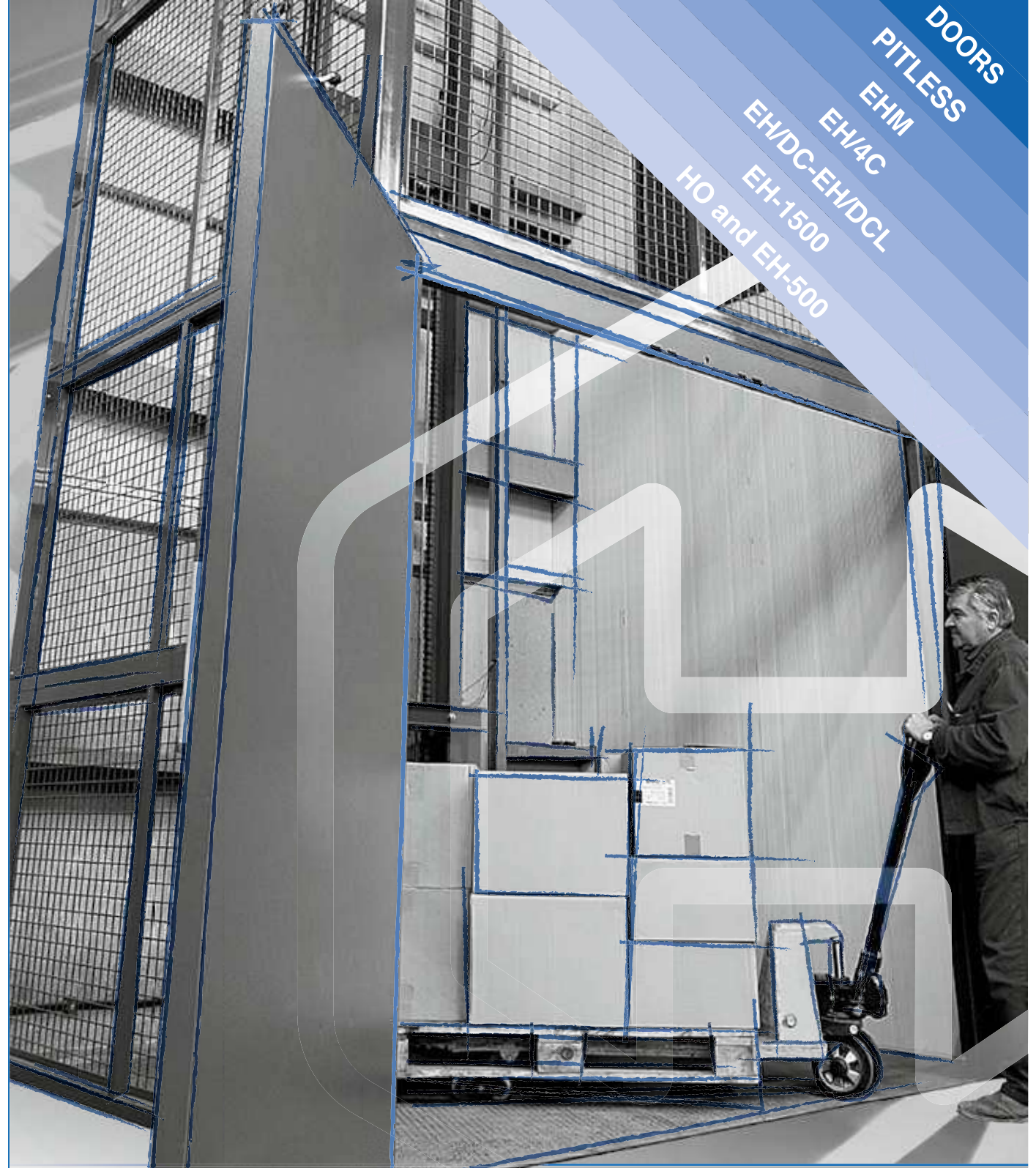
For more information,
please contact us for more
information please!

了解更多信息，请联系我们！

400 - 8876336



DOORS
PITLESS
EHM
EH/4C
EH/DC-EH/DCL
EH-1500
HO and EH-500



PLATFORMS



PLATFORMS

HO and EH-500

HO

Platforms with calibrated guide rails welded to a frame. The suspensions is by means of chains and is provided with a rupture valve as a protection against any failure of the suspension elements. Optimize the shaft space and requires a minimum pit of only 120 mm.

EH-500

The Platforms **EH-500** is more robust with a guide-structure made of laminated profiles and metallic rollers, two working cables or chains and two safety cables as protection against any failure of the suspension elements.

This goods lift is suitable for larger surface areas, weights of up to 750 kg can be supplied with handrails, lateral walls or doorless cars with a light on the carrier.

CHARACTERISTICS

Model	HO	EH-500
Load	From 100 to 500 kg	From 200 to 750 kg
Maximum travel *	12 m	
Speeds	0,2 and 0,3 m/s	0,1 and 0,2 m/s
Maximum surface area	2 m ²	3,15 m ²
Main options	Low speed releveilling Handrails, lateral walls or cabin	

(*) Consult for great travel distances.

Please check out our technical specifications to solve any doubt you may have.



Platform HO



Platform EH-500



For graphic reasons, the photographs are showing the platforms without protections or doors.



PLATFORMS

EH-1500

ADAPTED TO YOUR NEEDS

Built in a similar way to the EH-500, it is a very robust goods lift with a guide-structure of laminated profiles. The sling has been fitted with a lateral guiding of 4 rollers for better stability when loads are not centred or when using lateral entrances. This goods only lift is ideal for warehouses and retailers as it is designed for loads of from one to two tonnes, which is usually the normal maximum weight of a food pallet.

Not only does it have a slow speed re-levelling option but it can also be fitted with an anti-creep system (pawl device) that keeps the lift-car perfectly levelled to the landings during loading and unloading.

The goods lift can also be fitted with 1,100 mm handrails, 2,000 to 2,500 mm lateral walls (roofless car) or a doorless car with interior lighting. In this, and other models used for heavy loads, the lateral walls and the doorless cars have reinforced protections (which can be easily replaced) that have proved highly efficient in protecting against the inevitable bumps and knocks that occur during loading with pallet jacks.

CHARACTERISTICS

Model	EH -1500
Load	1,000, 1,500 and 2,000 kg
Maximum travel *	12 m
Speeds	0,1 and 0,2 m/s
Maximum surface area	5,60 m ²
Main options	Slow speed relevelling Anti-creep (pawl device) Handrails, lateral walls or cabin

(*) Consult for great travel distances.

Please check out our technical specifications to solve any doubt you may have.



Platforms EH-1500



Details of the anti-creep latch



Limit switch



For graphic reasons, the photographs are showing the platforms without protections or doors.



PLATFORMS

EH/DC-EH/DCL

THE POWER TO BE VERSATILE

These goods lifts are for loads from 1 to 5 tonnes and include the same options as the EH-1500.

Thanks to its load capacity, this model is the best when working with a forklift, which, added to the weight of the load, is a heavy piece of machinery.

Made up of opposing columns, the **EH/DC** is used when the floor of the lift is wider than what is advisable for a column on just one side.

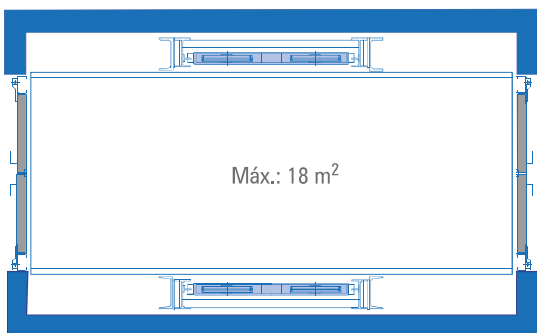
Made up of adjacent columns on the same side, the **EH/DCL** is used when a greater load capacity is required than that of an EH-1500. This offers the possibility of entrances via all three sides and utilizes the shaft better than the model with opposing columns.

CHARACTERISTICS

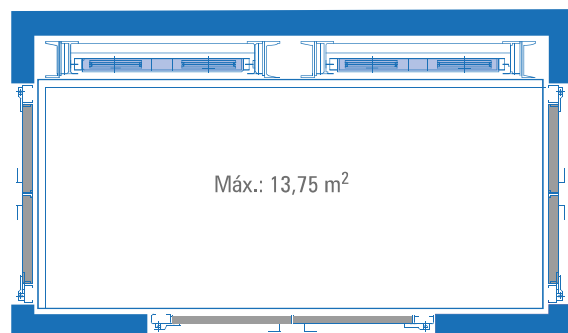
Model	EH / DC	EH / DCL
Load	1,000, 2,000, 3,000, 4,000 and 5,000 kg	2,000 and 3,000 kg
Maximum travel *	12 m	
Speeds *	0,1 and 0,2 m/s	
Maximum surface area	18 m ²	13,75 m ²
Main options	Slow speed releveelling	
	Anticreep (pawl device)	
	Handrails, lateral walls or cabin	

(*) Consult for great travel distances.

Please check out our technical specifications to solve any doubt you may have.



Plan EH / DC



Plan EH / DCL



PLATFORMS

EH/4C

FOR VERY HEAVY LOADS

Platforms **EH/4C** are built for loads from 4 to 10 tonnes and can even be made for loads of up to 40 tonnes to meet the specific needs of each client.

The columns on each corner allow entrances on all four sides what makes it highly versatile. This model is best when a long travel distance with heavy loads is required. It is also equipped with anticreep (pawl device) and slow speed releveling.

CHARACTERISTICS

Model	EH / 4C
Load *	4 to 10 tonnes
Maximum travel *	12 m
Speeds	0,1 and 0,2 m/s
Maximum surface area	25 m ²
Main options	Handrails, lateral walls

(*) Consult for greater travel distances or loads.
Please check out our technical specifications to solve any doubt you may have.



For graphic reasons, the photographs are showing the platforms without protections or doors.

EHM / THE PLATFORMS WITH ATTENDANT

- Adjustable dimensions.
- Possibility of single or 180° loading.
- Standard Cabin with galvanised sheet (see pictures).
- Choice of stainless finishes and choice of floor surface.



Easily replaceable, reinforced protective features to absorb the inevitable knocks in the loading process.



Flush mounted landing button panels with key switches to enable or disable the loop.



Removable wall panel for ease of maintenance from inside the cabin.



Recessed COP (Car Operating Panel) with hold-to-run push button, protected by a frame to prevent damage during loading operations.

Featuring:

- Overload detection system.
- Key switch (preferential use).
- Emergency stop button.
- Alarm button.
- Emergency light and illuminated selector switch for anticreep manoeuvring (optional).



Class III photoelectric safety barrier for each entrance.

Ceiling light.



Single or double leaf manual hinged door with flush interior handle.

Manual or automatic sliding slat door, the best solution to keep the loading area clear. The existing space between the guide rails and the shaft wall can be used. Highly resistant 40 mm thick slats. Free passage width between 1,200 and 3,000 mm and free passage height between 2,000 and 2,500 mm.

Please check out our technical specifications for additional information.

EHM / PLATFORM WITH ATTENDANT

The **EHM** Lift is a platform with two modes of function:

- a. Conventional platform mode, ideal for peak production periods, when it is faster for two operators to be working, one on each landing.
- b. Platform with attendant mode, designed for periods of time with reduced workload or fewer staff. One operator travelling in the lift can perform all loading-transporting-unloading tasks.

With this mode, you can save on staff costs and ensure more flexible organisation of work.

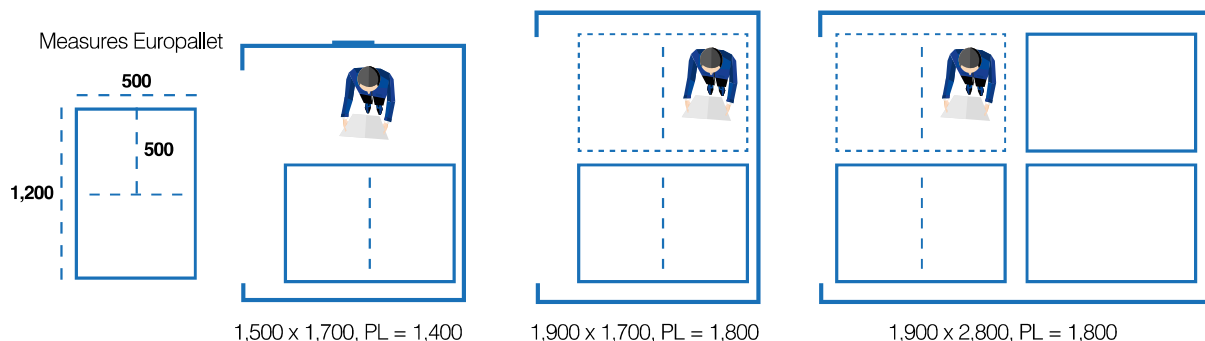
TECHNICAL CHARACTERISTICS

Model	EHM1500	EHM/DCL	EHM/DC
Load	1.000, 1.500 y 2.000 kg	2.000, 3.000 kg	2.000, 3.000, 4.000 , 5.000 kg
Maximum surface area	≤ 2,9, ≤ 4,3, ≤ 5,7 m ²	≤ 5,7, ≤ 8,6 m ²	≤ 5,7, ≤ 8,6, ≤ 11,4, ≤ 14,3 m ²
Maximum travel *	12 m		
Maximum speed	0,15 m/s		
Cabin height	2.000 a 2.500 mm		
Pit Depth	350 to 400 mm (depending on version)		
Headroom height	Cabin height +250 mm		
Clear opening recommended	Cabin width - 80 mm (of cabin's protective features)		
Main options	Double entrance 180°. Anticreep (pawl device) for precise levelling during loading and unloading. Single or double leaf hinged doors and optionally manual or automatic sliding doors.		
Additional safety features	Suspension and traction by means of chains. Double cable safety system in case of traction chain failure. Parachute valve. Cylinder with inner cushioned stop. Slow speed re-levelling.		

(*) Consult for greater travel distances.
Please check out our technical specifications for additional information.

DIMENSIONS SUGGESTED FOR THE LOADING OF EURO PALLETS WITH OR WITHOUT AN OPERATOR

The transportation and load placement options guarantee the operator's safety while travelling in the cabin.



SPECIAL LIFTS



Lifts with inverted sling are to be used when guides must not protrude from the floor at the last stop and the upper floor itself must be flat and free of any obstacles whilst the lift is not in operation (stages, heliports, etc). For each of these application, specific safety measures must be taken and a qualified person must operate the good lift.



Lifts that are resistant to work on temperatures as low as -30°C in frozen storage warehouses or unheated buildings in areas of extreme weather.



Lifts with explosion-proof electrical installation for potentially explosive atmospheres with CE EX II 2G Eex d/e II B T4 certification.



Lifts with watertight electrical wiring and metal parts that have been treated to offer a better resistance to outdoor use.

PITLESS



The **Pitless** solution, with a very small pit, for EH Platforms and EHM elevators for accompanied load. This system is specially designed for buildings whose facilities have architectural restrictions, to adapt to local regulations, to save potential problems of water infiltration and for situations where a pit is not feasible.

Pitless is designed for specially reduced pits, it can even be installed ground level with access via ramp (not supplied).

CHARACTERISTICS

- Types of boarding:
 - Single entrance (lateral).
 - Double entrance 180°.
- Not available with single front boarding or adjacent double entrance (90°) given the configuration of the structure of the car frame.
- Solution with carrier / cabin in EH Elevators and cabin in EHM Elevators.
- Not available with handrails option.
- Compatible with option of anticreep (pawl device).
- Available models EH-1500 and EHM-1500, the full range of dimensions and loads of the model.
- Pit: 100 mm.

SLAT SLIDING DOOR

THE BEST OPTION FOR YOUR LIFTING PLATFORM

Hidral's Slat Sliding Door is entirely and exclusively designed and manufactured by the company for its products within the scope of the Machinery Directive. It is used as a landing door for lifting without cabin doors and slides open to the side to take full advantage of the existing space between the guide rails and shaft wall. The slat Sliding Door can be used as an alternative to a double leaf swing door and is the best solution when the landing area needs to be kept clear or, in lieu of a fully automatic door. It consists of 40 mm-thick slats without intermediate hinges that fit together perfectly to provide high-strength and uniformity when closed.

This door is manufactured exclusively for: Goods Only Lifts EH, Goods and Attendant Lifts EHM and Car Lifting Platform ECH.

Characteristics

Single leaf door with side opening



Double leaf door with central opening



Types of slat and finishes

The slats can be made from aluminium or steel sheet with E90 fire resistance in accordance with EN 81-58. The door is coated with grey epoxy-polyester paint as standard (RAL 7035). Contact us for other colour options.

Safety devices

- Electrical locking in accordance with Standard EN 81 with safety contact for release, control of locked position and auxiliary contact for shaft access detection.
- Electrical safety contact for control of the closed position of the leaf/leaves.
- Limited force during closure with reopening in the event of obstacle detection.



Motorization and electrical lock



Control and setup system

Easy to assemble

- The door sill is embedded into the floor to ensure a flush surface without tripping hazards.
- The absence of intermediate hinges facilitates slat replacement or repair.
- All necessary materials are supplied for attachment to the shaft walls by means of brackets and anchor points.



Door slat assembly

OPTIONS

- Automatic door. Operation integrated with the movement of the lifting good lift by means of a toothed drive belt driven by a DC gear motor and controlled by an electronic circuit.
- Control with auto-adjustment of the travel and operating parameters.
- Optional photocell to detect obstacles and prevent door closure.
- Battery to open the door in the event of power failure.
- Drill hole in the doorframe for the push button panel.

HINGED DOORS

Our hinged doors is entirely designed and manufactured by **Hidral** and it is highly resistant. With 180° opening. The standard model is very robust, but it can also be reinforced by adding an additional hinge and an extra inner plate to add greater resistance.

CHARACTERISTICS

Model	1 LEAF	2 LEAVES
Clear Opening (PL)	600 - 1,250 mm	1,100 - 3,000 mm
Clear height (HL)	2,950 mm	
Reinforced	Steel plate 1,5 mm	
Hinges	Adjustable hinges with 180° opening	
Paint	Baked Epoxy-Polyester paint finish (RAL 7035)	
	Retainer breaks on each door	
	The door frame is delivered dismantled for easier transport	
Optional	Stainless steel doors. Reinforced door	

Please check out our technical specifications to solve any doubt you may have.

LOCKS

The provided safety locks have been designed for a permanent electrical connection.

Doors are kept unlatched while the car is at floor level or with open doors

Doors are made by Hidral for sole use in our goods only lifts.

Fire certified according with EN 81-58.

Adjustable and highly resistant hinges that allows an easy substitution of the leaves.



For Hidral, safety is on the basis of which we run our company and because of this we have developed, the best safety measures for all parties involved, the end user, the installer and maintenance personnel.

1. Double traction system and double safety cable on the suspension.
2. Mechanical blocking of the lift-car for safety during maintenance operations in the pit.
3. Hidral doors specific to our platforms with fireproof certification.
4. Stop button in pit with a plug point for small electrical devices during maintenance.
5. Unauthorized pit access detection that disconnects the platform.
6. Pluggable on lift-car push button panel for maintenance operations only.
7. Latch key inhibitor on the push button panel of every floor.
8. Overload detection device. Standard on platforms for loads higher than 1000 kg and optional for smaller loads.
9. The carrier can be provided with a door less lift-car with interior lighting, lateral walls (roof less car) of heights between 2 m and 2,5 m or 1,1 m handrails.
10. Shut-off valve and pressure gauge in all hydraulic power units.
11. Declaration of conformity issued by Hidral, which is certified by AENOR (the Spanish Association for Standardisation and Certification) to design and manufacture the machinery described in Annex IV, Category 17 of the Machinery Directive 2006/42/EC.

ON THE CONTROL PANEL:

1. Blockable main switch with a padlock on the outside of the panel door.
2. Lighting circuit switch on the panel door next to the main switch.
3. Differential switches for the main circuit and the lighting circuits can be found inside the electrical panel.
4. Thermal circuit breaker to protects against over current and short-circuits on the lighting circuit.

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w w w . h i d r a l . c o m



ER-1029/2000

All Hidral products and services are guaranteed by an AENOR (Spanish Association for Standardisation and Certification) certificate. This document certifies that Hidral's Quality System is managed, designed and implemented in accordance with International Standard ISO 9001:2000. It is also an extra guarantee for its customers, who know they can trust its commitment and expertise.



Model MH



Model MTH

MH and MTH series lifts are a range of small service lifts designed for the vertical transport of small and medium loads and to facilitate multiple applications within the industrial and services sectors.

The rigid quality controls make these service lifts lasting and reliable products. These service lifts are in accordance with Machine Directive 2006/42/CE. They are supplied with CE mark.

The main advantage of this type of product is its **adaptability to your specific requirements**. This adaptability is achieved by offering a **wide range of sizes** and two different installation versions: wall-mounted or using a self-supporting structure. Moreover, both hydraulic drive (low noise level) and electrical traction drive (for travel distances greater than 8 m) are available.

In addition to the above, these service lift include manufacturing features designed to optimise installation times, such as: manufacture of modular elements, prefabricated electrical installation, ready to plug in, as well as pre-assembly of several elements.

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www.hidral.com



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CT510en_V03



SERVICE LIFTS

MH-MTH

A SERIES OF SMALL SERVICE LIFTS

APPLICATIONS

- Dumbwaiters for restaurants, bars, coffee shops...
- Service lifts for shoe stores.
- Small packages.
- Service lifts for libraries or bookshops.
- Service lifts for hospitals, clinics, chemists...
- Service lifts for offices.

LIFT CAR

With up to 3 possible accesses on one stop level.

A supporting tray is included as standard (other numbers of trays available as an option).

Car doors available as an option.

DOORS

Vertical bi-parting door with lock and electrical security contact.

Automatically-operated doors available (which consist of door opening and closing using a foot pedal), as well as fire-resistance doors in compliance with the EN 81-58 Standard.

Hatch available for machine inspection.

BUTTON PANELS

Call and send push-buttons for all level with light indicator for busy car and acoustic signal on arrival of the car.

All these components operate at low 24 V as a safety measure.

TECHNICAL FEATURES MH

Load	50 kg to 100 kg	
Speed	0.35 m/s	
Travel	Hydraulic	Up to 8 meters
	Electric	Up to 35 meters
Stops	Up to 12 stops	
Finish	Stainless steel / Painted steel	



SERVICE LIFT WITH MEDIUM LOAD CAPACITY

Suitable for transport of small trolleys or loading by handcart. For these service lifts the serving height is levelled with the landing level.

APPLICATIONS

- Service lifts for hotel laundry and restaurant services.
- Warehouse service lifts for packages.
- Service lifts for vertical, merchandise-only transport in industrial buildings.

LIFT CAR

Other options include removable intermediate trays, drop bar with retainer to prevent displacement of wheeled loads and bellows type door grille.

DOORS

Swinging hinged doors that are fire resistant in compliance with the EN 81-58 Standard, with lock and electrical security contact.

Vertical bi-parting door available, as an option.

Hatch available for machine inspection.

BUTTON PANELS

Call and send push-buttons for all level with light indicator for busy car and acoustic signal on arrival of the car.

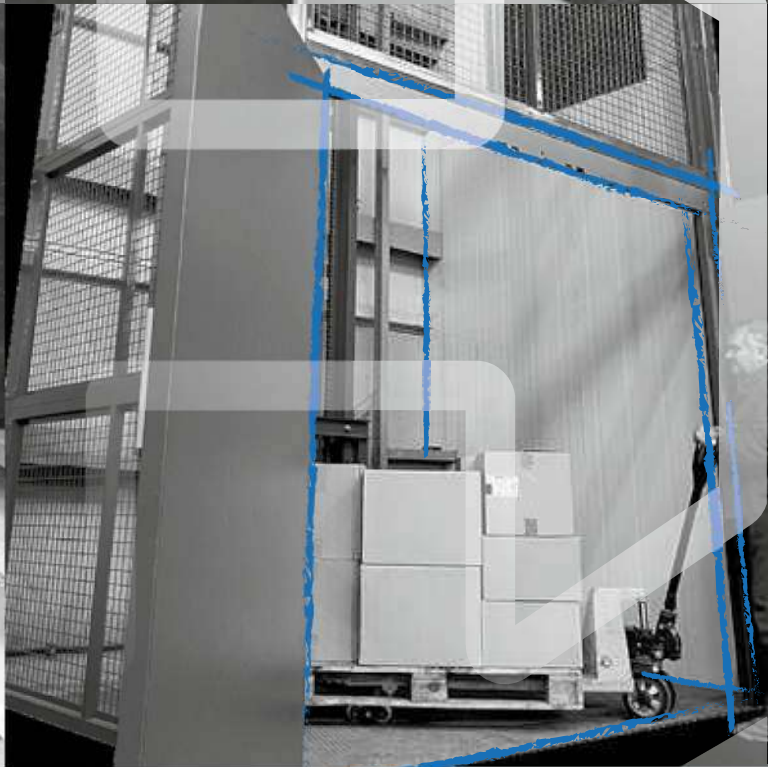
All these components operate at low 24 V as a safety measure.

TECHNICAL FEATURES MTH

Load	MTH 300	200 and 300 Kg
	MTH 500*	400 and 500 Kg
Speed	Hydraulic	0.2 or 0.3 m/s
	Electric	0.3 m/s
Travel	Hydraulic	Up to 12 meters
	Electric	Up to 35 meters
Stops	Up to 12 stops	
Finish	Stainless steel / Painted steel	

*Only available in hydraulic traction







On the way up



We are a leading company in the elevation and accessibility sector which designs and manufactures all types of lifting solutions for passengers and goods. Since we started in 1975, we manufacture exclusively for lift professionals that rightly seek maximum quality and safety for maintenance personnel and end users alike.

Since our very beginning, at Hidral we have embarked on an upwards path, guided by objectives of excellence, research and development and a thorough concept of service that runs from the initial consultancy through to our aftersales service. The technological development of our products and customised engineering projects are among our core activities, where the main goal is to satisfy the needs of the market. An R&D&I team of over 25 people, working with the latest technologies in creation, checking and monitoring instruments, ensures the inclusion of safety and reliability.

The outcome of this policy is in Hidral we enjoy a solid and distinguished position on the global market. With a production capacity of up to 4.500 lifts per year, we currently market our products in over 80 countries and 70% of our total revenue comes from sales on international markets.

With an ambitious internationalization project to achieve greater coverage for our customers, we currently have over 20,000 m² of facilities spread over two factories in Seville (Spain).

We also have sales offices in Moscow (Russia), Paris (France), Beirut (Lebanon), Indaiatuba (Brazil), London (UK) and South Carolina (USA).

However, our greatest asset is without a doubt the members of our team, highly qualified professionals from different multidisciplinary areas.

All Hidral products and services are guaranteed by an AENOR (Spanish Association for Standardisation and Certification) certificate. This document certifies that Hidral's Quality System is managed, designed and implemented in accordance with International Standard ISO 9001:2000. It is also an extra guarantee for its customers, who know they can trust its commitment and expertise.



EP-1029/2000



You trust Hidral for:

Wide range

We design all types of lifts and lifting platforms for passengers and goods, we adapt to the requirements of every customer.

We manufacture exclusively for lift professionals, these are customers demanding the highest safety and quality.

Experience

40 Years' sector experience.

Vertical integration

We integrate all the manufacturing phases, guaranteeing the highest quality and cost control with minimum delivery deadlines.

Internationalization

Our products are present in more than 80 countries worldwide.

Great productive capacity

We have a production capacity of up to 4,500 lifts per year.

R&D&I

We carry out continuous improvement processes and invest in R&D&I.

Service

We advise our clients, from the purchase process to the after-sales service.



International

 LONDON, UK
/ HIDRAL UK (Lift Design)
Sales Office /

 PARIS, FRANCE
/ HIDRAL France (Pre-elevation)
Sales office /

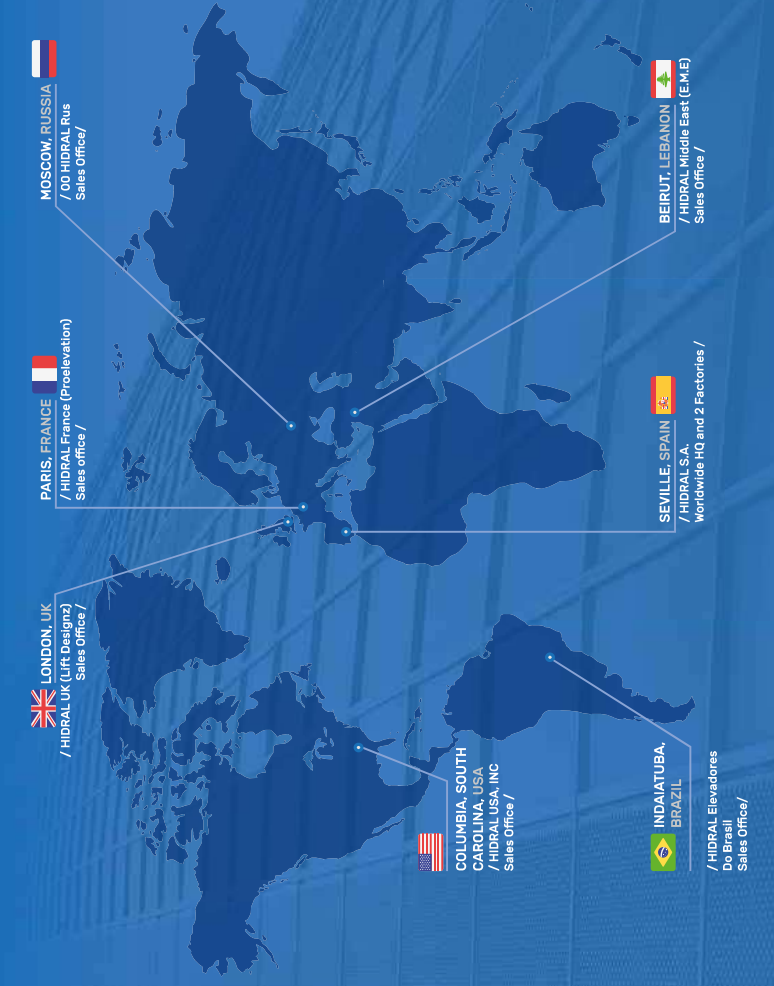
 MOSCOW, RUSSIA
/ 00 HIDRAL Rus
Sales office /

 COLUMBIA, SOUTH
CAROLINA, USA
/ HIDRAL USA, INC
Sales Office /

 INDAIATUBA,
BRAZIL
/ HIDRAL Elevadores
Do Brasil
Sales Office /

 SEVILLE, SPAIN
/ HIDRAL S.A.
Worldwide HQ and 2 Factories /

 BEIRUT, LEBANON
/ HIDRAL Middle East (E.M.E)
Sales Office /





Products for all your elevation needs

Hidral creates customised designs for every need. Innovative solutions that overcome the standard models which satisfy the specific requirements of every customer.

Transport and lifting systems developed to provide a comprehensive service to industrial facilities, logistics centres, hotels, shopping malls, family homes, residential buildings and more.

All Hidral projects start from a simple question:

What would you like?

I want to rise to the peak. I want to rise quickly. I want to rise safely. I want to go up to the second floor. I want to avoid stairs. I want my order brought down. I want my order brought up. I want to rise without getting out of the car. I want ...

The answers are thousands. The solutions are millions. And there is always a tailor-made product for each customer's needs.

Goods Lifts

EH



Use and applications	Model
100-750 Kg	HO*, EH-500
1.000-2.000 Kg	EH-1500
1.000-10.000 Kg	EH/DC-EH/DC-EH/4C

*Model HO can be supplied with a speed of 0,2 and 0,3 m/s.
These speeds available for the other models are 0,1 and 0,2 m/s.

Scissors Lifts

THX



Use and applications	Model
100-5.000 Kg	THX
100-2.000 Kg	THXX

0,05 m/s

Goods and Passenger Lifts

EHMix



Use and applications	Model
1.000-2.000 Kg	EHM-1500
2.000-3.000 Kg	EHM/DCL
2.000-5.000 Kg	EHM/DC

0,15 m/s

QHG



Use and applications	Model
1.500-6.000 Kg	QHG

0,2-0,6 m/s

AH-1600



Use and applications	Model
1.000-1.600 Kg	AH-1600

0,4-0,6 m/s

Service Lifts

MH



Use and applications	Model
50-100 Kg	MH

0,35 m/s

Cars Lifts

QHV



Use and applications	Model
3.500-5.000 Kg	QHV

With cab doors
0,2-0,4 m/s

ECH



Use and applications	Model
2.000-3.500 Kg	ECH

Without cab doors
0,10 m/s

Residential Lifts

UH | UHe | AH-800



Use and applications	Model
225-400 Kg 0.5 m/s	UH
225-630 Kg 0.5-1.0 m/s	UHe
450-800 Kg 0.6 m/s	AH-800

DH



Use and applications	Model
225-400 Kg	DH
0.15 m/s	

Accessibility

SH

MODEL SH200i-SH300i



Use and applications	Model
225 Kg	SH-200i
300 Kg	SH-300i
0, 10 m/s	



PH

MODEL PH-300



MODEL PH-400



Use and applications	Model
300 Kg 0.10 m/s	PH-300
300-400 Kg 0.15 m/s	PH-400

Commercial Lifts

AH-1600



Use and applications	Model
1.000-1.600 Kg	AH-1600
0.4-0.6 m/s	

QHP



Use and applications	Model
2.000-6.000 Kg	QHP
0.2-0.6 m/s	

Especial Lifts



Special projects, fully customised solutions developed at the request of our customers: panoramic lifts, mobile stages for theatres, lifts for heliports or any other type not included in our catalogue.

Drive

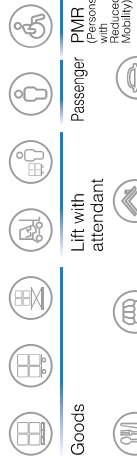


Hydraulic

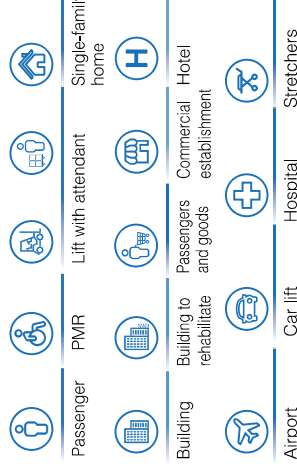


Electric

Machinery Directive



Lifts Directive





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MATRIX

PASSENGER/CARGO

 **novaelex**[®]
you need we lift



The MATRIX line



The Matrix lift emphasizes the idea of flexibility: it is intended as a lift configuration free from any architectural limitation, able to provide the best solution for every situation.

Shaft geometry, position and number of entrances, location of the machinery shall no longer be considered a problem but a challenge for designing an elevator which matches the customer expectance. The know-how and experience of NovaElex engineers make it possible. The “lego” philosophy entered the world of elevators.



The MATRIX line

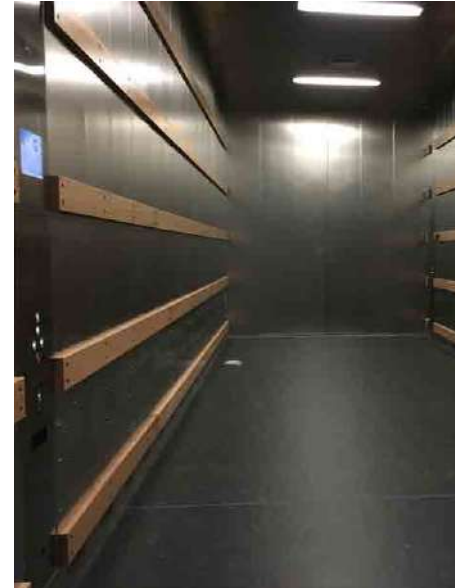
The levels can be served through single up to triple entrances with the cantilever solution, either for traction and hydraulic configuration.

The various configurations can consider the machine room at the top, at the bottom or even a MRL solution with the machine located on top of the headroom.

Traction lifts can reach a payload of 15.000 kg, Hydraulic can lift up to 18.000 kg, Machine room-less lifts (MRL) up to 8.000 kg of payload.

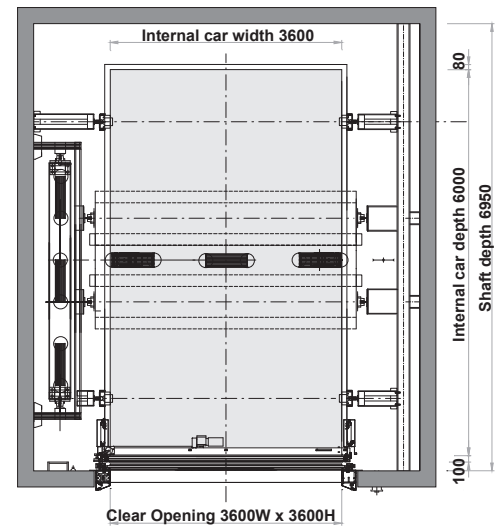
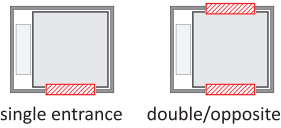
The range of speed goes from 0,4 meters per second in normal cargo lift up to 4,0 m/s in panoramic and long-travel lifts.

The Matrix key points are of technical, technological and aesthetical nature: variable geometry cabins can be adapted to shaft dimensions or to required payload; flexible mechanics result in multiple available configurations; architecture with distributed microprocessors allows the serial controller; wide range of cabin (different shape, materials and finishings) and hall fixtures.



TTD - top traction drive

- TTD lifts (**Top Traction Drive**) is a direct traction lift when the high payload does not allow MRL solutions
- Maximum payload up to **15.000 Kg**
- Maximum speed **4 m/s** (depending on lift configuration)
- Car dimensions can be extended up to **9000 x 3400 mm**
- Flexible entrances arrangement
dimensions upon request *

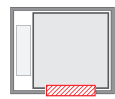


BTD - bottom traction drive

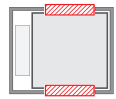
- BTD lifts (**Bottom Traction Drive**) are often used when there's no machine room on the top of the shaft, while the high payload of the lift does not allow MRL solutions
- Maximum payload up to **10.000 Kg**
- Maximum speed **4 m/s**
- Car dimensions can be extended up to **9000 x 3400 mm**

- Flexible entrances arrangement

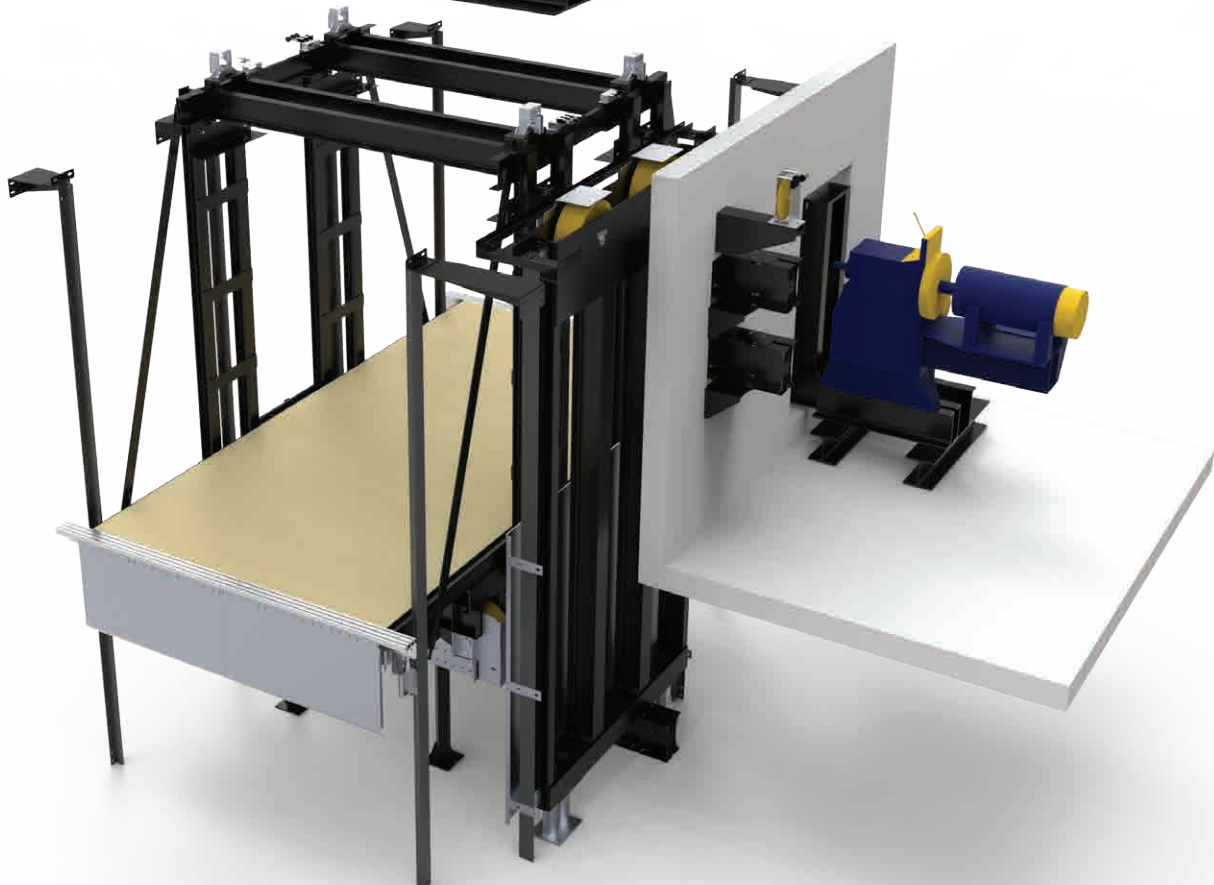
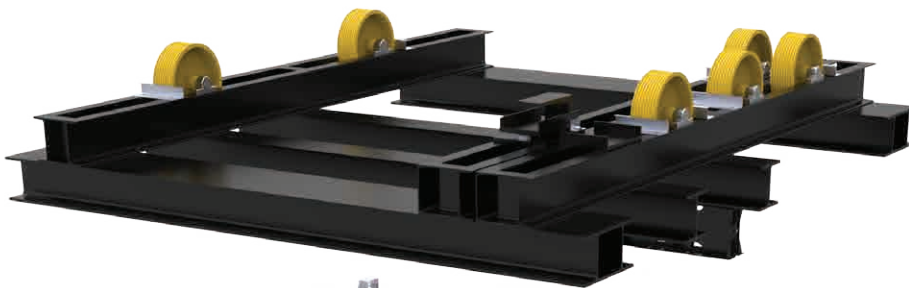
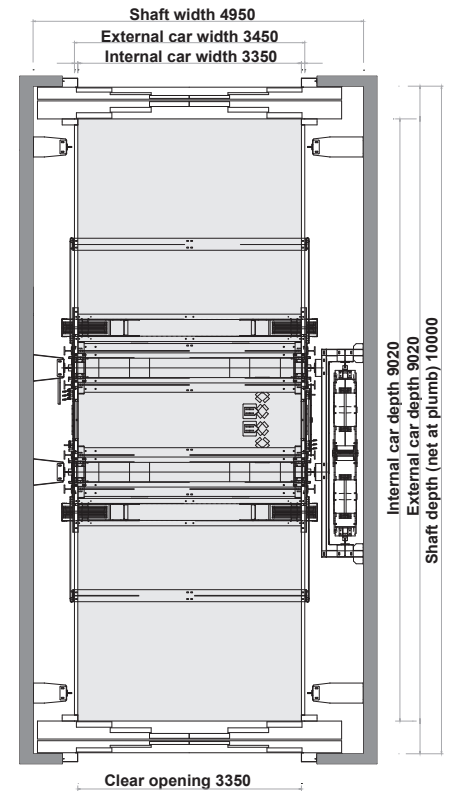
dimensions upon request *



single entrance

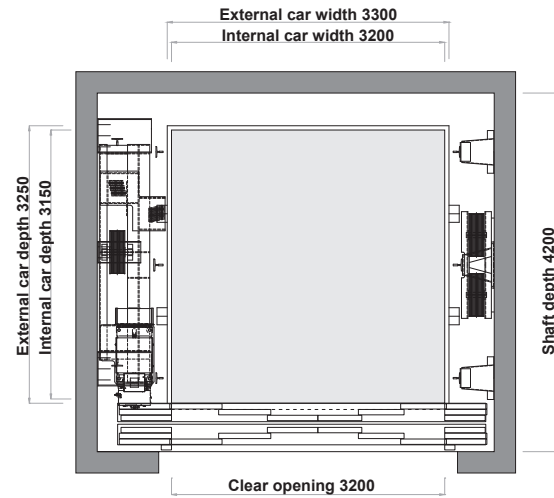
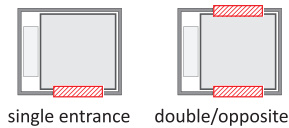


double/opposite



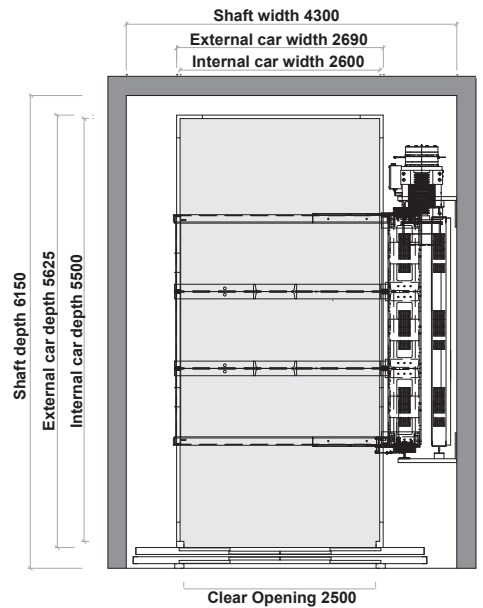
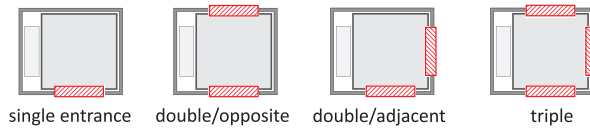
MRL - standard suspension

- **MachineRoomLess** lifts are used when the traction machine is located inside the shaft.
- Maximum payload up to **6.000 Kg**
- Maximum speed **2,5 m/s** (depending on lift configuration)
- Car dimensions can be extended up to **8000 x 3400 mm**
- Flexible entrances arrangement
dimensions upon request *



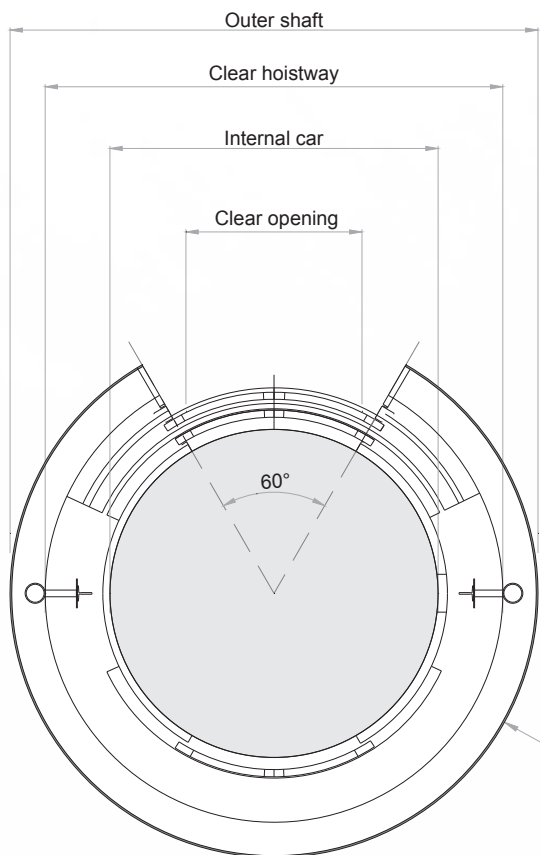
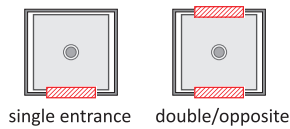
MRL - cantilever

- **MachineRoomLess** lifts are used when the traction machine is located inside the shaft. The car frame is shaped as a “L” on which the car lies
- Maximum payload up to **8.000 Kg**
- Maximum speed **1 m/s** (depending on lift configuration)
- Car dimensions can be extended up to **6000 x 3000 mm**
- Flexible entrances arrangement
dimensions upon request *



HYDRAULIC - central acting

- HYD (**Hydraulic Lift**) with central piston is intended for both cargo and panoramic application
- Maximum payload up to **18.000 Kg**
- Maximum speed **0,63 m/s** (depending on lift configuration)
- Car dimensions can be customized upon request
- Flexible entrances arrangement dimensions upon request *



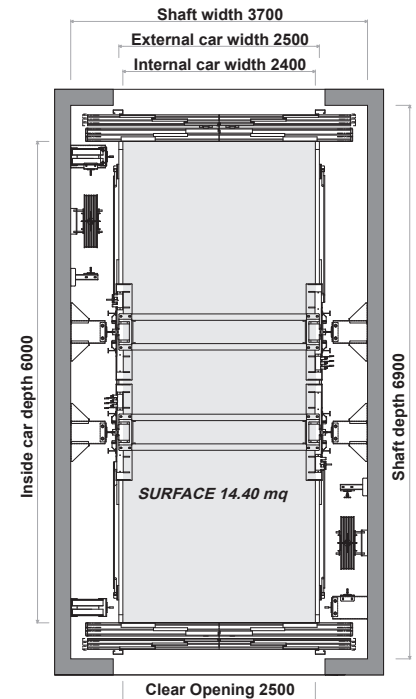
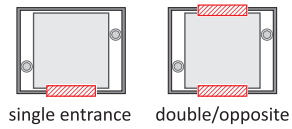
CLEAR TEMPERED + HEAT SACKED
WITH + SAFETY FILM TO BE ON
INTERNAL FACE OF GLASS



HYDRAULIC - side acting

- HYD (**Hydraulic Lift**) for cargo application is a fitting configuration where the high payload does not allow for traction MRL solutions, but a machine room is not available at the top of the shaft
- Maximum payload up to **8.500 Kg**
- Maximum speed **0,63 m/s** (depending on lift configuration)
- Car dimensions can be extended up to **9000 x 3400 mm**

- Flexible entrances arrangement dimensions upon request *



Applications

Heavy duty



IMFT - Singapore

TTD (Top Traction Drive)

T= 20m - 0,75m/s - **15.000kg**

dim. (W x D x H)

4.600 x 6.400 x 4.000 mm

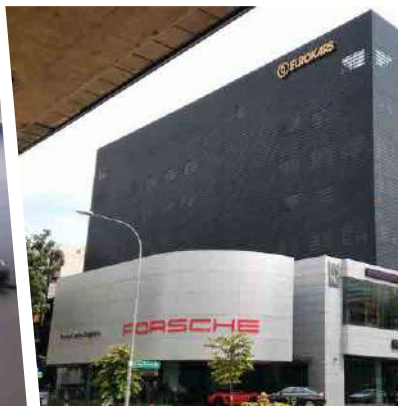
Opera House - Sidney

TTD (Top Traction Drive)

T= 14m - 0,5m/s - **10.000Kg**

dim. (W x D x H)

3.350 x 9.200 x 3.800 mm



**Porche & Rolls Royce Car Lift
Singapore**

MRL

T= 31m - 0,5m/s - **4.000kg**

dim. (W x D x H)

3.200 x 7.800 x 3.000 mm

Sha Tsui Road - Singapore

HYD (Central Acting)

T= 11m - 0,3m/s - **18.000kg**

dim. (W x D x H)

3.300 x 8.500 x 4.000 mm



Applications

Scenic lifts



Al Habtoor City - **Dubai**
TTD (**Top Traction Drive**)
Bubble Lift - Structural Glass
T= 150m - 2,5m/s - 6.500kg
dim. (W x D x H)
2.500 x 4.500 x 3.000 mm

Nave de Vero Shopping Mall
Mestre - **Venice**

MRL Cantilever Glass Lift
T= 11m - 0,7m/s - 8.000kg
dim. (W x D x H)
2.600 x 5.500 x 2.500 mm



Sentosa Cove - **Singapore**
HYD (**Central Acting**)
Round Panoramic Duplex
Double entrance
Round glass doors

Fort Siloso - **Singapore**
TTD (**Top Traction Drive**)
Outdoor Panoramic Duplex
T= 37m - 1,75m/s - 1.360kg



Applications

Extreme



Helipad - **Hong Kong**
HYD (**Hydraulic**)
IP 55 Pop Out Lift

Jam Petrochemical Company
TTD (**Top Traction Drive**)
ATEX - Explosion Proof
T= 26m - 0,63m/s - 2.000kg
T= **47m** - 1,2m/s - 700kg



HELPE - **Tessaloniki**
TTD (**Top Traction Drive**)
ATEX - Explosion Proof
T= **46m** - 0,63m/s - 1.300kg

Helicopter Carrier Dixmude
TTD (**Top Traction Drive**)
IP protection
Secondary **Back Up Motor**
T= 26m - 0,4m/s - 3.000kg



DOORS AND GATES

The lift entrance allows a wide variety of choices.

The Matrix elevator has the broadest and most experienced assortment of automatic multi-panels doors and of biparting and vertical telescopic upsliding gates for openings up to 6 x 6 meters, suitable for light as well as heavy duty, including the IP55 and explosion proof certified executions.

Every solution can be customized following the requirements of the client and can come in different finishings.



QUALITY CERTIFICATES

All the elevators designed, manufactured and supplied from NovaElex are covered by certifications issued by the most important international notified bodies.



Quality management system **ISO 9001:2015**



Conformity of electric and hydraulic lifts to Annex XI of directive **2014/33/UE**

FINISHING

NovaElex provides a broad range of finishes and materials to complement the product and meet your requirements. We also offer a huge selection of **ARPA Laminates** and **ABET Laminates** (please ask your retailer for more details). In addition we welcome the opportunity to work with Architects, Interior Designers and Specifiers to design a bespoke cabin solution.

WALLS

Skinplate
Painted Steel
Stainless Steel



FLOOR

PVC, rubber,
linoleum, plate



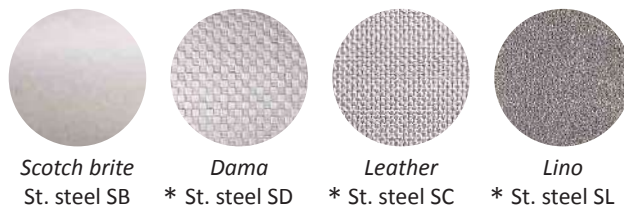
The fast delivery of the equipment depends on the availability of the finishes from the factory stock

**Non standard finishings; available upon request and with extra-charges*

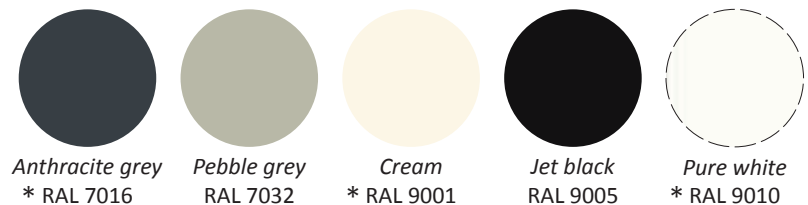
SKINPLATE



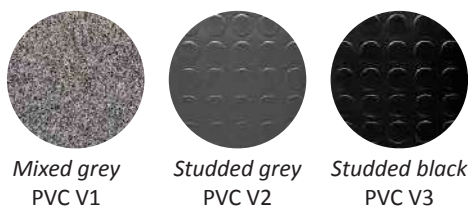
STAINLESS ST.



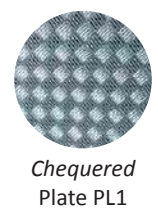
PAINTED ST.



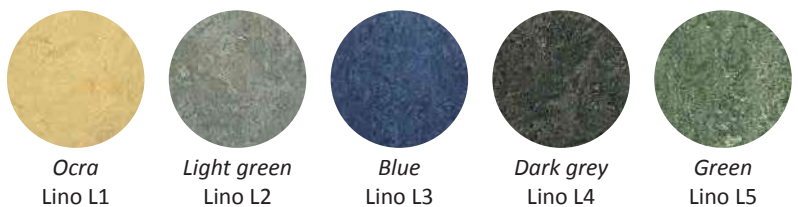
PVC



PLATE



LINOLEUM



RUBBER



CUSTOM EXECUTIONS

Bare car and doors for local cladding at care of the client are available

PANELS AND LANDING STATIONS

Our company offers a wide range of high quality car operating panels and landing push stations with a choice of LED, LCD and TFT indicator displays.

All operating panels and push stations can be tailored for the individual project and to coordinate with the building décor, as well as other features such as **handrails** (see below), **mirrors** (half wall/full wall glass) or **ceiling** (lights).



FAMILY ①



Rectangular



Round



FAMILY ②



With pipe fittings



Custom executions



FAMILY ③



THE BIGGEST BUBBLE LIFT IN THE WORLD
W Hotel - Al Habtoor City, DUBAI



NOVA ELEX SRL®
Via dell'Industria, 2
26010 - Montodine (CR) ITALY



sales@novaelex.com
info@novaelex.com
aftersales@novaelex.com



tel. +39 0373 669311
fax +39 0373 669490
www.novaelex.com



CityCube Car lift



"The car lift
with cabin"

Manufactured by:
UP DINAMIC
S.r.l.



CMC 4-cylinder version

Lifting height
up to 4
metres

The CityCube four-cylinder car lift allows vertical transport for travels of up to 4 metres.

It is a cheap solution thanks to an innovative lifting system designed by UpDinamic and is extremely easy to use and reliable.

Powered by four direct cylinders which allow to maximize the energy used by the system this permits to use motors suited for standard domestic electricity.

▶ Technical data:

- Maximum capacity: 2500-3000 kg
- Maximum lifting height: 4 metres
- Hydraulic control unit with 3kW three-phase motor
- Paving roof up to 70 kg/m
- Passable roof up to 3000 kg
- Pit: 400 mm

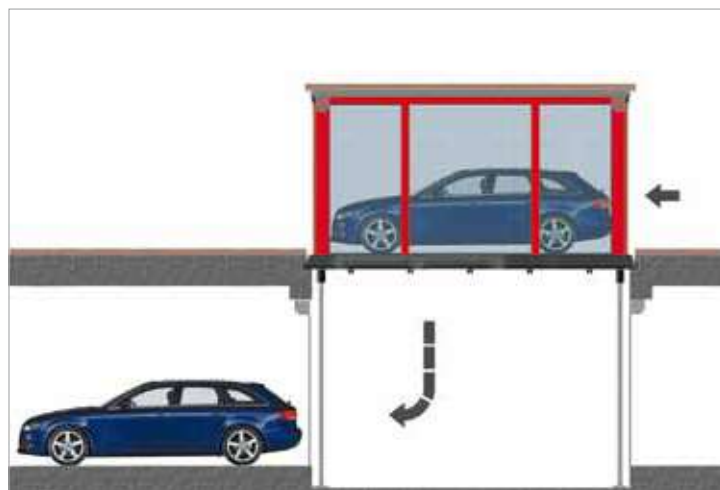
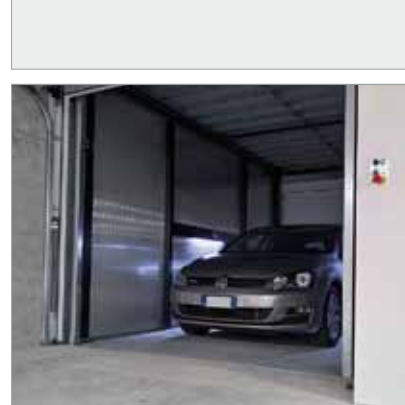
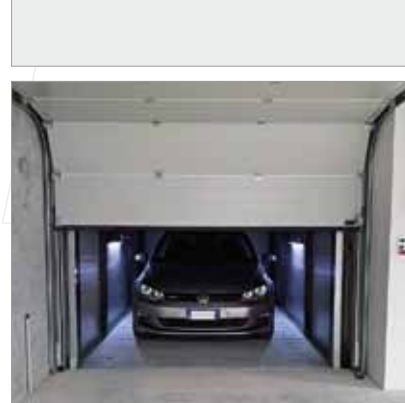
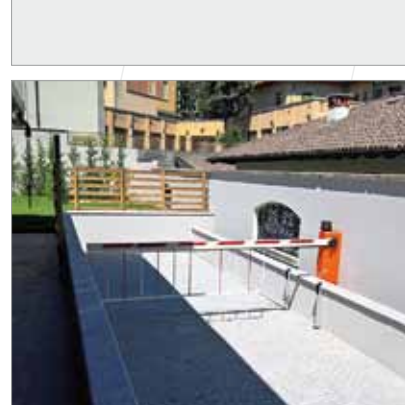
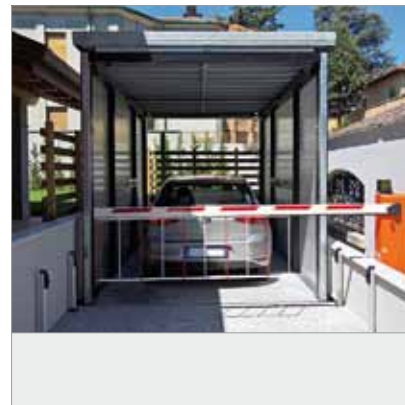
▶ Standard net cabin dimensions:

Width 2750 mm
Length 5360 mm
Height 2400 mm

▶ Safety devices installed:

- Hydraulic check and control valves
- Deadman control devices
- Polycarbonate anti-intrusion walls
- Box ascent and descent enabled only when the doors are completely closed

Available with SPB system for driver on board





CMF scissor version

Lifting height
up to 3,7
metres

CMF scissor version - lifting height up to 3,7 metres
The CityCube scissor car lift allows vertical transport for travel of up to 3.7 metres.

The scissor solution movement has a self-supporting structure and does not require bearing walls for anchoring.

Designed to minimize overall dimension it requires a pit of only 500mm without any problems even for heavy pay loads.

▶ Technical data:

- Maximum capacity: 2500-3000 kg
- Maximum lifting height: 3,7 metres
- Hydraulic control unit with 5,5kW three-phase motor
- Paving roof up to 70 kg/m
- Roof passable up to 3000 kg
- Pit: 500 mm

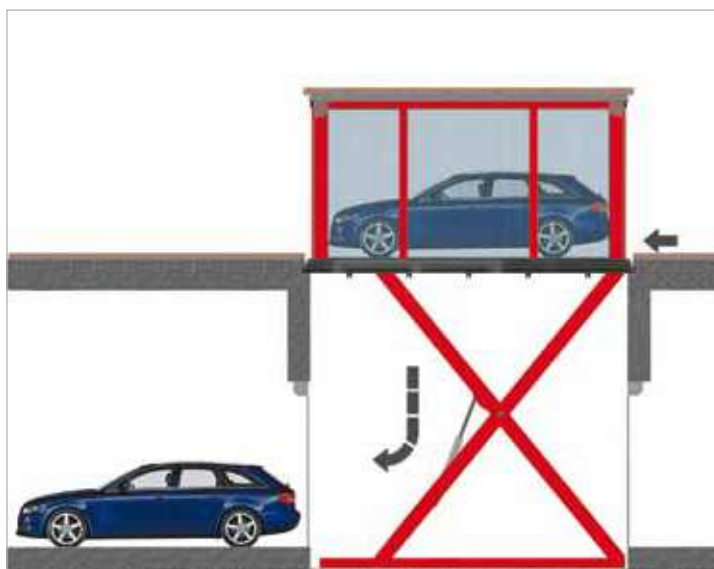
▶ Standard net cabin dimensions:

Width 2750 mm
Length 5360 mm
Height 2400 mm

▶ Safety devices installed:

- Hydraulic check valves
- Deadman control devices
- Polycarbonate anti-intrusion walls
- Box ascent and descent enabled only when the doors are completely closed

Available with SPB system for driver on board





CM4 4-column version



Lifting height
up to 12
metres

CM4 4-column version - lifting height up to 12 metres
The CityCube four-column car lift allows vertical transport for travels of up to 12 metres.

The four-column lifting system is versatile and adaptable to many different site conditions. It is perfect for big travels and several stops on different levels.

▶ Technical data:

- Maximum capacity: 2500-3000 kg
- Maximum travel: 12 metres
- Hydraulic control unit with 5,5 kW three-phase motor
- Paving roof up to 70 kg/m
- Roof passable up to 3000 kg
- Standard containment pit: 1150 mm

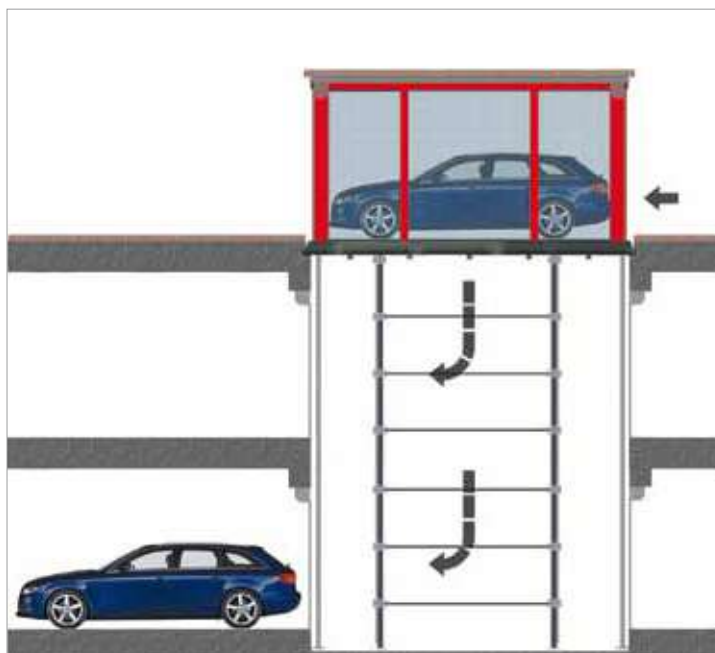
▶ Standard net cabin dimensions:

Width 2750 mm
Length 5360 mm
Height 2400 mm

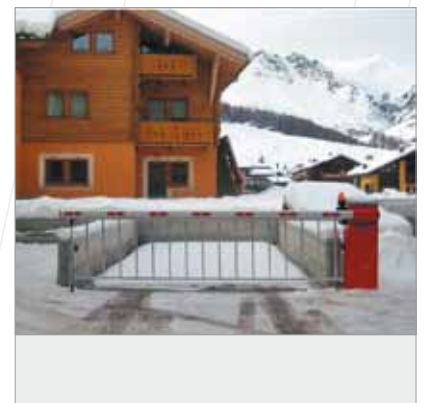
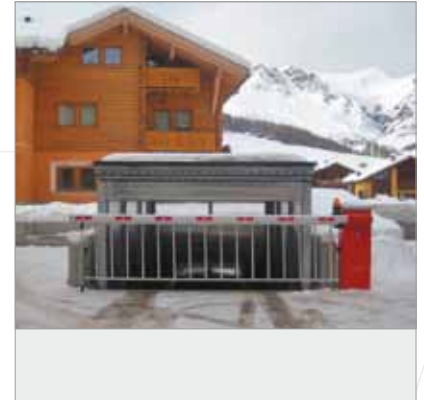
▶ Safety devices installed:

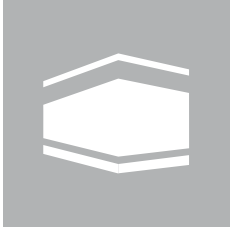
- Hydraulic check valves
- Double lifting chain for each column
- Electromechanical anti-falling safety devices
- Deadman control devices
- Polycarbonate anti-intrusion walls
- Box ascent and descent enabled only when the doors are completely closed

Available with
SPB system
for driver
on board



UP DINAMIC





Technical features:



CityCube is the new car lift with cabin that allows to remove the old concrete ramp to access to an underground garage.

Citycube car lift is suitable for installation outdoor, such as private or condominium courtyards or public squares.

An attractive solution, easy to use, safe and reliable; complete with paving roof and a perimeter gutter for rainwater connection.

▶ Covering:

The car lift roof is made of galvanised steel and is fitted with rubber seals to protect the space against infiltration of rainwater as well as a perimeter angle bar to contain the roof covering.

The roof can be used to park vehicles with a maximum weight of 3000 kg

▶ Steel cabin:

Painted or hot-galvanised steel cabin with polycarbonate walls. It can be equipped with automatic gates on entrance and exit way.

▶ Gutter to collect rainwater:

Galvanised steel gutter to collect rainwater arranged to be connected to the sewerage system to collect any water that leaks in the roof seals.

▶ Courtyard completely free of barriers:

Citycube car lift allows keeping the outside space free of safety barriers and fences thanks to the safety devices installed on the system and by deadman control for upper floor only.

▶ SPB system with person on board:

Citycube car lift can be supplied with the homologated SPB system to drive the car lift with one person on board complete with all its safety devices: UPS in the event of a power failure, pushbutton for emergency descent to the lower floor, GSM system for emergency calls.



Application with SPB System (external protections required)



On board pushbutton



Pushbutton integrated with video-surveillance



Other UpDinamic products:



▼ **Dinamic Lift**, the platform car lift.



▼ **Citycube**, the garage that disappears underground.



Goods lift ▼



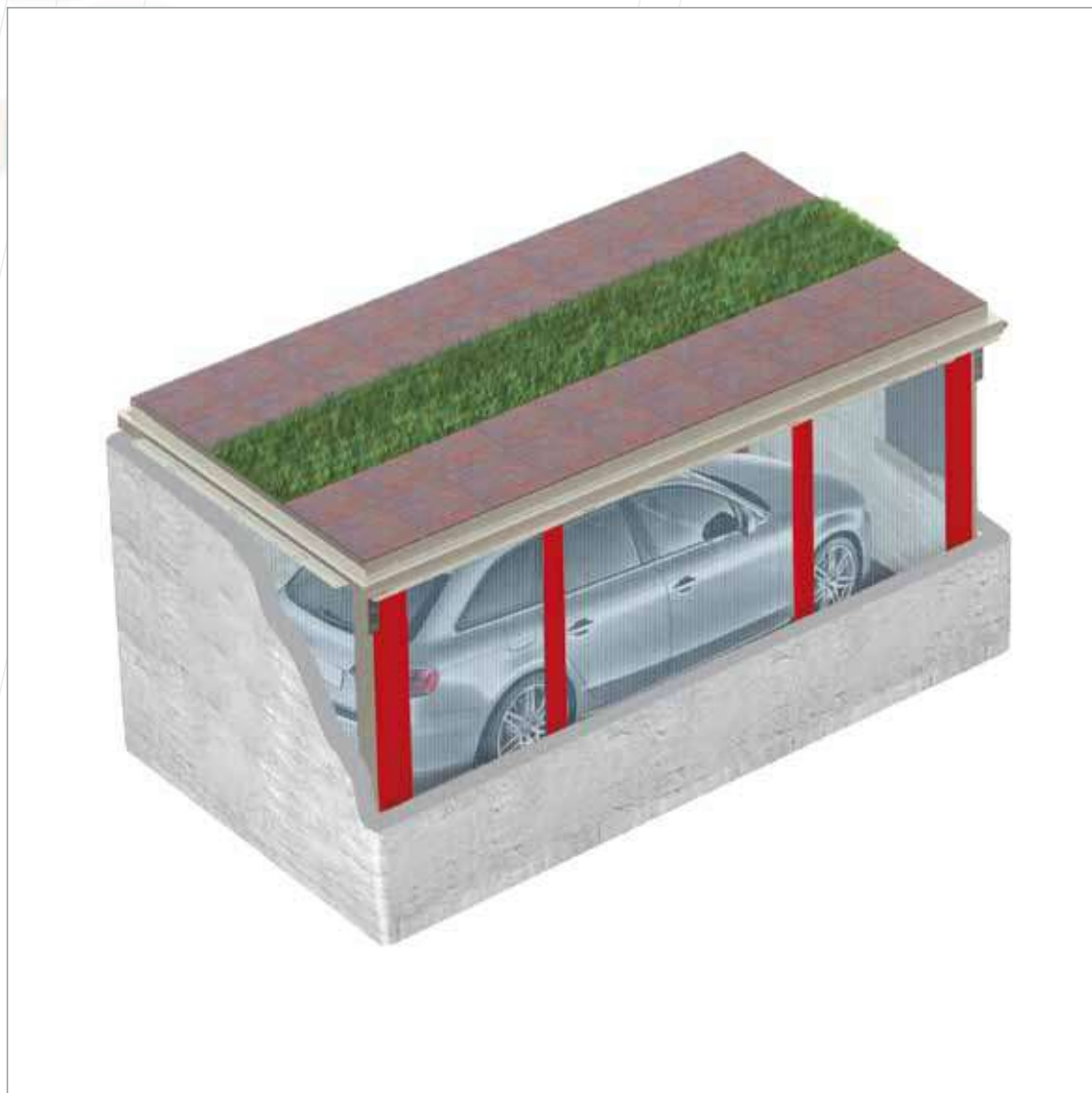
Up Dinamic S.r.l.
Via Franco Modigliani 22
37045 - Legnago (VR) Italy

For information:
www.updinamic.com
Tel. +39.0442.590.129
Fax +39.0442.599.091
E-mail: info@updinamic.com





Citycube



"The garage
that
disappears
underground"

A patent:
UP DINAMIC
S.r.l.



CityCube

Absolute innovation! Patented - Private use

The garage that disappears underground



Unique
in its type.

**VERSATILE
AND COMPACT**

Besides being
a great idea...
it is safe.

CityCube is the automatic underground garage which can get a parking space while maintaining outer space totally free of barriers.

With the **CityCube** patent you get a convenient parking space maintaining reduced dimensions thanks to its compact size.

Available in two different versions and sizes **ST** (Standard) and **MG** (Mega), it's suitable for every type of car.

There is a wide range of accessories which one can be used to customize the **Citycube** in order to meet everyone's needs, ensuring the maximum safety.

CityCube is a modern solution to gain space when designing new residential buildings and to solve the garage problem of thousands of existing homes in a short time.

Due to all the safety measures included in the system, the outside area around the garage can remain completely free of barriers against intrusion.

There is even more...

It can be used as a household dispatch, a cellar, used as an industrial store room or to increase the number of parking places in hotels and public car parks.

Some
examples
of use:

CityCube's extreme versatility allows an easy installation in any situation: in the courtyard driveway or in the garden.

In the courtyard of flat complex, under the outside car parking place or in the courtyard of the building. In case of terraced houses, it can be installed between the entrance gate and the garage door.

CityCube can replace the old box to create more space around the house or to provide a solution in cases where it is not possible to build because of distance from boundaries.

It allows to regain a room occupied until now by the garage or it can be located inside buildings, garages or under colonnades.



Just one command then...**CityCube** is ready to use!

UP DINAMIC



CityCube

St-Mg
versions

CityCube is available in two versions **ST (Standard)** and **MG (Mega)** with which you get a parking space convenient for all types of vehicles while maintaining compact size and dimensions, thanks to the side sliding-door for the driver.

▶ **CityCube layout:**

- Roof of box (or hat): galvanized steel frame sealed on the edge with rubber gaskets
- Steel Cabin with walls made of net or in polycarbonate
- Perimetral water collecting duct in galvanized steel

▶ **Standard dimensions:**

Citycube ST (Standard)

Width cm 220
Lenght cm 520
Height cm 175

Citycube MG (Mega)

Width cm 235
Lenght cm 520
Height cm 200

The dimensions are to be considered as useful space for the vehicle.

▶ **Technical data:**

Power supply:

Electric motor 220/400V
and 2.2/3 KW

Operating principle:

Hydraulic

Max capacity:

2500/3000 KG.

Average Speed:

3,5 cm/s



Installations example.



▶ **Available equipment (all models):**

- Automatic sliding entrance side door for easy access of the driver.
- Green light to check correct car position
- Courtesy light
- Hot galvanized plated cabin (instead of painting)
- UPS in case of power failure
- Possibility to raise the car parked on the upper platform with increased control unit +safety sensor for present car



CityCube

► Easy to use

With the help of the remote control and the key, the cabin ascends and descends inside the garage. When the cabin is completely lowered its roof covers the garage at ground level.

► Safe

Cabin closed on three sides with polycarbonate walls equipped with anti-squeezing sensor and controlled by the operator only from the upper floor.

Cabin ascent and descent are allowed only when doors are closed: eventual risk of intrusions and shearing are not possible during movement on the three not-controlled sides.

For the safety of children, descending is only possible with constantly pressed key.

Flashing light during movement, green light for car parking, inner courtesy light.

► Reliable...

The system is PLC controlled, it works in any weather condition and in case of power failure the machine can be powered by a UPS.

► ...and cheap.

The **CityCube** is cheap due to the fact that its production is on an industrial scale, the easy assembly, no need of particular design and to the fact that it is not subject to boundary distance limits.



Up Dinamic S.r.l.

Via Franco Modigliani 22
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For information:

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Fax +39.0442.599.091

E-mail: info@updinamic.com



A smart choice:



Comfortable parking;



Very easy descent;



One touch...



and CityCube disappears...



...without taking up space!



Up for low, medium and heavy load capacity.



"The single
column
goods lift"

Manufactured by:
UP **DINAMIC**
S.r.l.



Up3 and Up6

Low capacity

Goods lift range UP3 and UP6 of load capacity respectively of 300 and 600Kgs are manufactured under Machinery Directive 2006/42/CE.

Thanks to its hydraulic cylinder and robust guide rails structure, they can be used to transport goods at several levels.

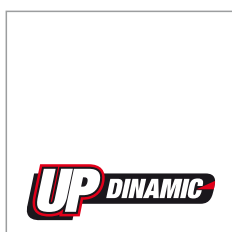
Their application is various as they can be installed on industrial warehouses and also on private house for domestic use.

They are very versatile and adaptable thanks also to the various possible customizations that we can apply.

▶ Devices installed:

- Anti-fall valve on cylinder
- Anti creep device on landing level
- Double speed
- Safety electric locks to be installed on the landing doors
- Double lifting chains

	Capacity	Travel max	Pit	L x P max	Floor stops Std/max	Power supply
UP3	300Kg	7 m	12 cm	170x130 cm	2/4	220v
UP6	600Kg	7 m	12 cm	170x130 cm	2/4	220v





CE

Up10 - 15 - 20 - 25

Medium and heavy load capacity

Goods lift range UP10, UP15, UP20 and UP25 of load capacity respectively of 1000,1500,2000 and 2500Kgs are manufactured under Machinery Directive 2006/42/CE. Thanks to its hydraulic cylinder and robust guide rails structure, they can be used to transport goods at several levels.

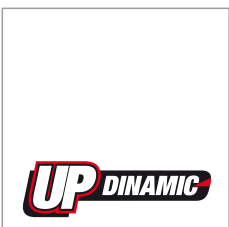
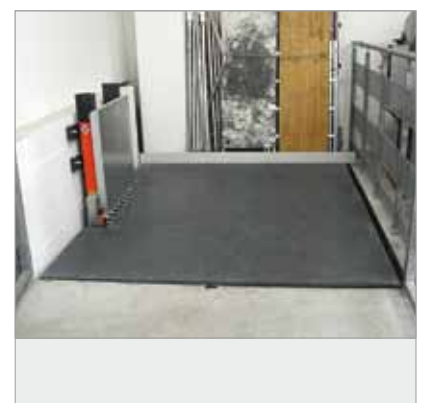
Thanks to their disassembling structure can be installed on existing shaft with difficult access.

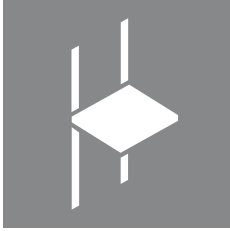
The platform dimensions are customizable, adapt for storeroom in industrial and commercial warehouses

▶ **Devices installed:**

- Anti-fall valve on cylinder
- Anti creep device on landing level
- Double speed
- Safety electric locks to be installed on the landing doors
- Double lifting chains

	Capacity	Travel max	Pit	L x P max	Floor stops Std/max	Power supply
UP10	1000Kg	12 m	15 cm	280x200 cm	2/4	400v
UP15	1500Kg	12 m	15 cm	250x170 cm	2/4	400v
UP20	2000Kg	12 m	25 cm	240x240 cm	2/4	400v
UP25	2500Kg	12 m	25 cm	250x180 cm	2/4	400v





Up Spb

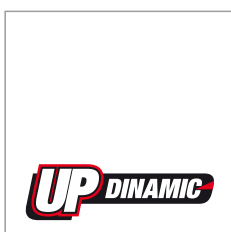
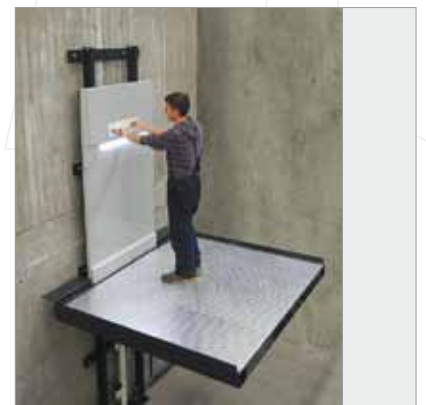
The goods lift with attendant on board

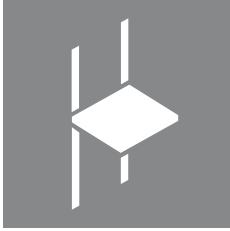
All our goods lift UP range from 300Kgs to 2500Kgs is designed to be supplied with SPB system which allows one attendant to accompany the freight. The goods lift UP with SBB system can also be installed in case of pit absence and reduced headroom. Due to the cabin absence it helps to see the maximum platform area thanks also to the installed safety devices.

▶ Devices installed:

- Anti-fall valve on cylinder
- Anti creep device on landing level
- Safety electric locks to be installed on the landing doors
- Double lifting chains
- Electric breaking chains control
- Double speed
- Safety electric locks to be installed on
- Guide side railing
- Double dead-man push button on board
- UPS in the event of a power failure
- Pushbutton for emergency descent to the lower floor
- Dialer system for emergency call
- Safety photocells on board

	Capacity	Travel max	Pit	L x P max	Floor stops Std/max	Power supply
UP3	300Kg	7 m	12 cm	170x130 cm	2/4	220v
UP6	600Kg	7 m	12 cm	170x130 cm	2/4	220v
UP10	1000Kg	12 m	15 cm	280x200 cm	2/4	400v
UP15	1500Kg	12 m	15 cm	250x170 cm	2/4	400v
UP20	2000Kg	12 m	25 cm	280x200 cm	2/4	400v
UP25	2500Kg	12 m	25 cm	250x180 cm	2/4	400v





Other products:

Standard guide rails design

Thanks to our standard guide rails design our goods lift UP range requires a very reduced pit and minimum headroom space.

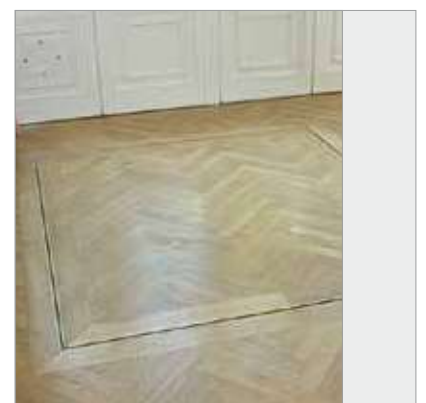
Our platform can be supplied with several optional such as side railings, parapets, bump rails and complete cabins.



UP-R reverse trolley

UPR innovative model is manufactured with reverse trolley system and permits to eliminate the guides protrusion at upper floor.

It can be installed also in case of absence of a bearing wall at upper level. It can be equipped with a cabin (model UPRT) with detachable roof, suitable for indoor and outdoor context thanks to the gutter system for water recollection.





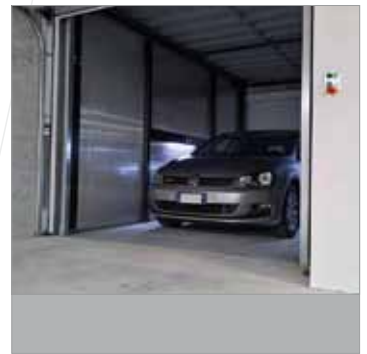
Other UpDinamic products:



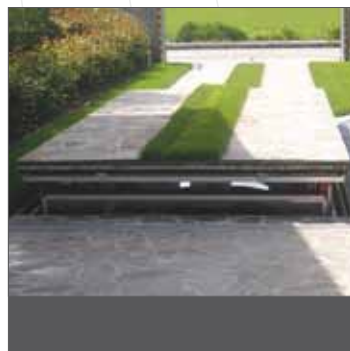
▼ Citycube car lift with cabin.



▼ Dynamic Lift, the platform car lift.



Citycube, the garage that disappears underground. ▼



Up Dinamic S.r.l.
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Fax +39.0442.599.091
E-mail: info@updinamic.com





Dinamic Lift



"The platform
carlift"

Manufactured by:
UP **DINAMIC**
S.r.l.



Dinamic Lift DLF

Lifting height
up to 3,7
metres

Dinamic Lift is a scissor lift platform designed for vertical transport of vehicles or goods for travels up to 3.7 metres. The Dinamic Lift solution has a self-supporting structure that does not require bearing walls for anchoring. It can be installed in closed shafts inside buildings or in courtyards.

Designed to minimize overall dimensions it requires a pit of only 500mm without any problems even for heavy payload.

▶ Technical data:

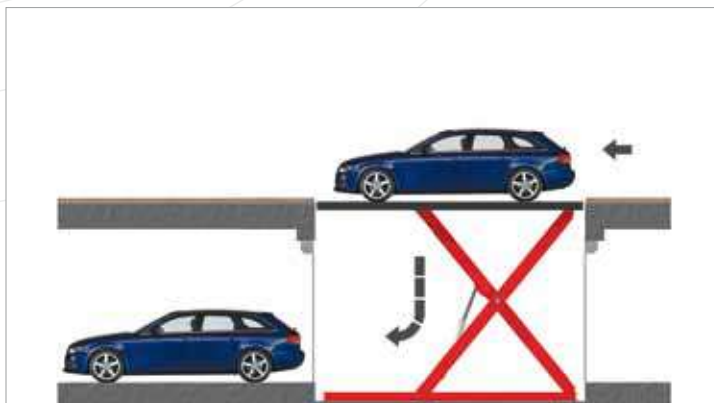
- Maximum carrying capacity: 3000 kgs
- Maximum lifting height: 3,7 metres
- Smart version max lifting height: 3,5 meters
- Hydraulic control unit with 5,5kW tri-phase motor
- Minimum pit: 500 mm

▶ Net platform dimensions:

- Width 2800 mm
- Length 5360 mm

▶ Safety devices installed:

- Hydraulic check valves
- Deadman control devices
- Safety devices on the floors interfaced with the PLC



Hidden gate solution

The Dynamic Lift car lift can be equipped with hydraulic vertical hidden gate. This solution minimize the presence of the gate on top floor and guarantees more space for car access on the platform. The hidden gate ensures maximum safety thanks to the check-valve on the two hydraulic cylinders.





Dinamic Lift DL2

Lifting height
up to 16
metres

Dinamic Lift DL2 is a two-columns lifting system which allows vertical transport of vehicles and goods for travels up to 16 metres.

The two-columns lifting system requires a single bearing wall for the guides anchoring, moreover the civil building are really reduced at minimum due to the pit depth of 250 mm only.

▶ Technical data:

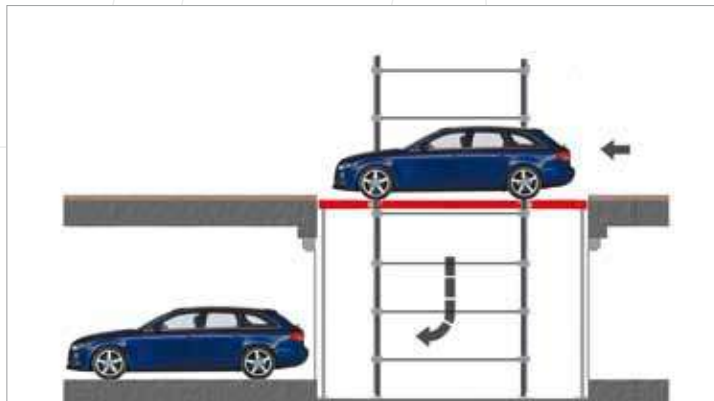
- Maximum capacity: 3000 kgs
- Maximum lifting height: 16 metres
- Hydraulic control unit with 5,5 kW three-phase motor
- Standard pit: 260 mm
- Headroom: 2000 mm

▶ Net platform dimensions:

- Width 2660 mm
- Length 5360 mm

▶ Safety devices installed:

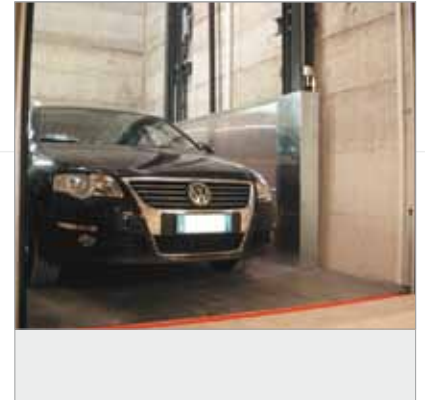
- Hydraulic check valves
- Double lifting chain for each column
- Electromechanical anti-falling safety devices
- Electronic planarity control
- Deadman control devices



SPB system
with driver
on board

The Dinamic Lift car lift can be supplied with the homologated SPB system for driver on board complete with its the safety devices: UPS in the event of power failure, pushbutton for emergency descent to the lower floor, GSM system for emergency calls.

Available for all models DLF - DL2 - DL4 - CL





Dinamic Lift DL4

Lifting height
up to 12
metres

Dinamic Lift DL4 is a four-column lifting system which allows vertical transport of vehicles and goods for travels of up to 12 metres.

The four-columns lifting system is versatile, customizable and adaptable to many different site conditions. It is perfect for big travels and several stops on different levels. It can be installed on closed shaft or outdoor in courtyards.

▶ Technical data:

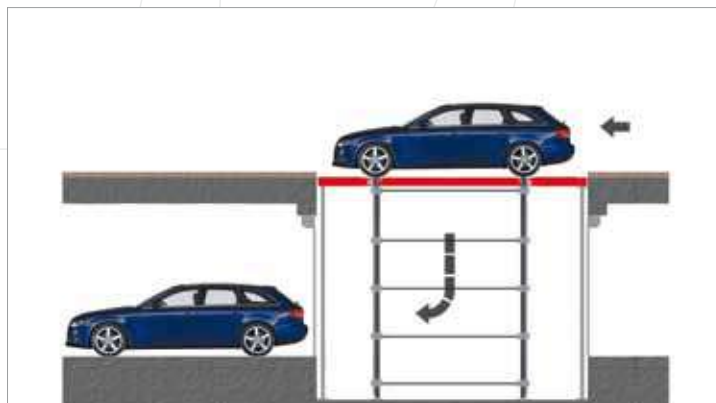
- Maximum capacity: 3000-5000 kg
- Maximum lifting height: 12 meters
- Hydraulic control unit with 5,5 kW three-phase motor
- Standard pit: 1150 mm

▶ Net platform dimensions:

- Width 2660 mm
- Length 5360 mm

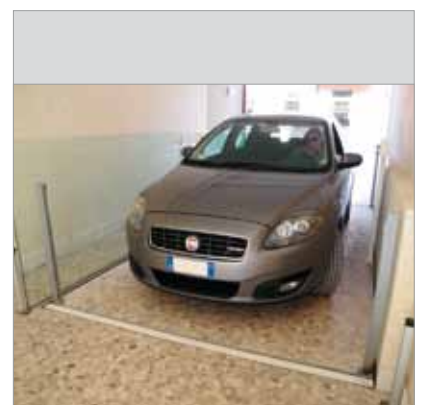
▶ Safety devices installed:

- Hydraulic check valves
- Double lifting chain for each column
- Electromechanical anti-falling safety devices
- Electronic planarity control
- Deadman control devices



Paving
platform

All Dinamic Lift range can be supplied with containment edges for flooring which allow the finishing of platform surface according to the context of installation site, making the aesthetics of the full system more pleasant.





Dinamic Lift CL

Lifting height
up to 3
metres

The CL Dinamic Lift car lift allows vertical transport for heights of up to 3 metres. Suitable to be used on indoor spaces thanks to its cabin, the CL Dinamic Lift is particularly economic thanks to an innovative lifting system designed by UpDinamic extremely easy to use and reliable. Driven by four direct cylinders it allows exploiting to the maximum the energy the system utilizes and using motors suited to the standard domestic current.

▶ Technical data:

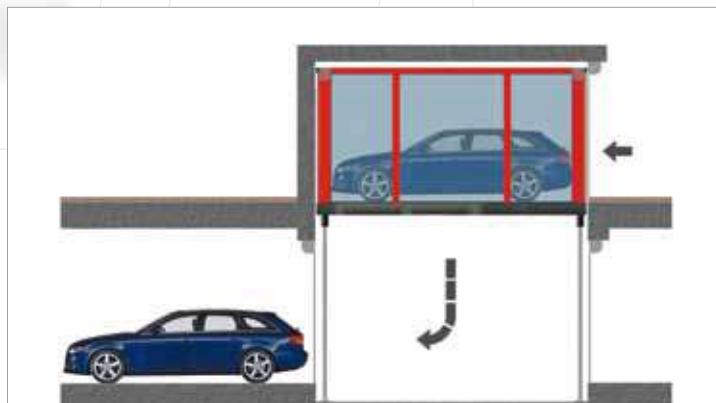
- Maximum capacity: 2500-3000 kgs
- Maximum lifting height: 3 metres
- Hydraulic control unit with 3kW three-phase motor
- Standard pit: 400 mm

▶ Net inside cabin dimensions:

- Width 2750 mm
- Length 5360 mm
- Height 2400 mm

▶ Safety devices installed:

- Hydraulic check and control valves
- Electrohydraulic safety devices on the floor landing
- Electronic planarity control
- Deadman control devices



Powered by four direct cylinders which allow to maximize the energy used by the system this permits to use motors suited for the standard domestic electricity.





Other UpDinamic products:

Citycube car lift with cabin.



Citycube, the garage that disappears underground.



Goods lift



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Product range



Citycube



Citycube car lift



Dinamic lift



Up goods lift

Manufactured by:
UP DINAMIC
S.r.l.

"One level
ahead"

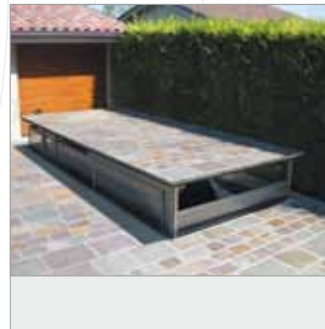


CityCube

The garage that disappears underground

CityCube is the only underground garage which permits to obtain a parking place while keeping the outside space completely free from anti-intrusion barriers.

- ▶ **Easy to use:** ascent and descent with remote control and key
- ▶ **Safe:** cabin ascent and descent enabled only when the automatic doors are completely closed
- ▶ **Cheap:** thanks to its 3 kW electric motor, it can be easily installed on private houses
- ▶ **Reliable:** in the event of power failure, it can be powered by a UPS

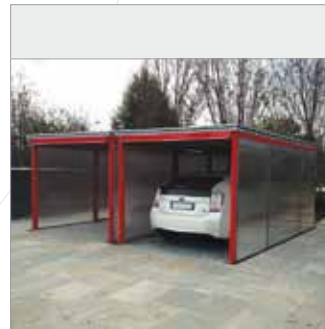


St-Mg versions

Citycube is available in 2 different compact and spacious versions "ST" (Standard), "MG" (Mega) it can be installed in a few hours in a pre-constructed reinforced concrete pit.

Net inside cabin dimensions:

- ▶ **Citycube ST (Standard)**
Width 2200 mm
Length 5200 mm
Height 1750 mm
- ▶ **Citycube MG (Mega)**
Width 2350 mm
Length 5200 mm
Height 2000 mm



The dimensions are to be considered as net space for the vehicle.

Both Citycube models thanks to the safety devices installation the system allow to keep the outside space free of anti-intrusion barriers.

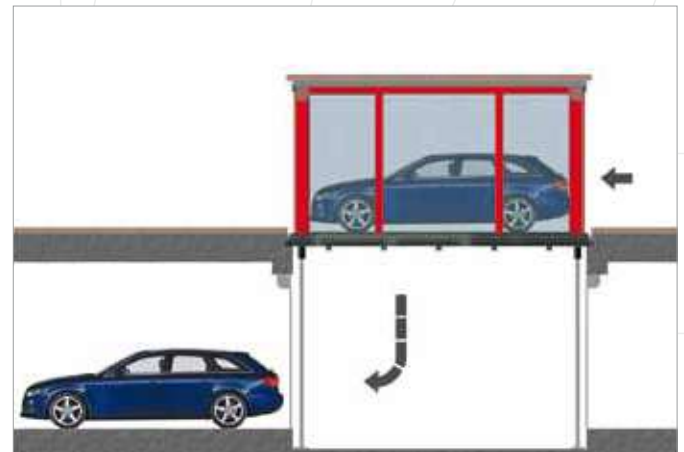




CityCube car lift

The car lift with cabin

CityCube is the new car lift with cabin which permits to remove the old concrete ramp while keeping the outside space totally free of anti-intrusion barriers. It is supplied with ready for paving roof and perimeter gutter for rainwater. An attractive solution, easy to use, safe and reliable;



Available models:

▶ CMC

CityCube four-cylinders car lift, for travels up to 4 metres. It is cheap solution thanks to an innovative lifting system designed by UpDinamic and it is extremely easy to use and reliable.

▶ CMF

CityCube scissor car lift, for travels up to 3,7 metres. The solution with scissor movement has a self-supporting structure and does not require bearing walls for anchoring.

▶ CM4

CityCube four-column car lift, for travels up to 12 metres. The four-column lift system is versatile and adaptable to the many different site conditions. It is perfect for big travels and several stops on different levels.

▶ SPB system with driver on board

The Citycube car lift can be supplied with the homologated SPB system for driver on board complete with all its safety devices: UPS in the event of a power failure, pushbutton for emergency descent to the lower floor, GSM system for emergency calls.

The SPB system can be integrated with video-surveillance system to permit to the user the supervision of the external area.





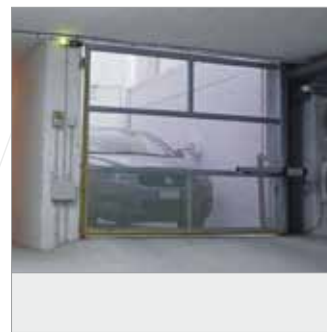
Dinamic lift

The platform car lift

Dinamic Lift is a simple platform car lift which allows the removal of the old concrete ramp. It can be installed indoor as well as in outdoor spaces.

▶ Hidden gate solution

The Dynamic Lift car lift can be equipped with hydraulic vertical hidden gate. This solution minimize the presence of the gate on top floor and guarantees more space for car access on the platform. The hidden gate ensures maximum safety thanks to the check-valve on the two hydraulic cylinders.



Available models:

▶ DLF

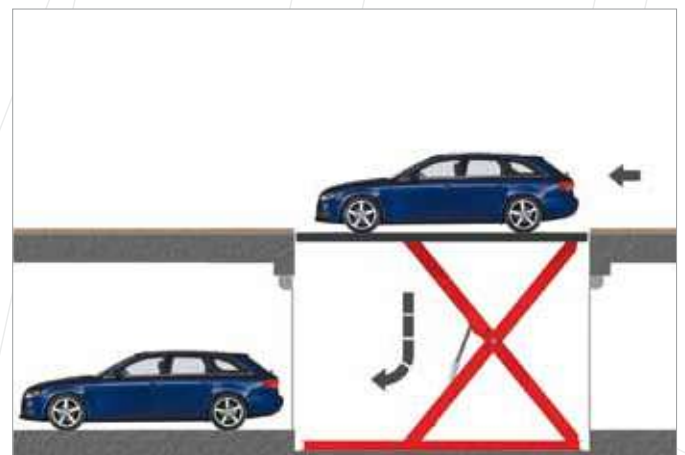
Is a scissor platform car lift for travels of up to 3.7 metres and has a selfsupporting structure that does not require bearing walls for anchoring.

▶ DL2

Is a platform with 2 load-bearing columns available in the version with side or opposed columns for travel of up to 16 metres.

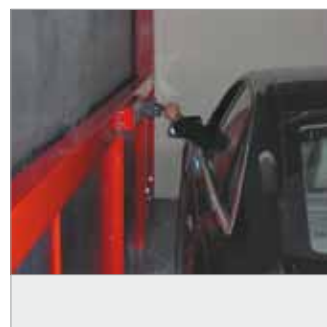
▶ DL4

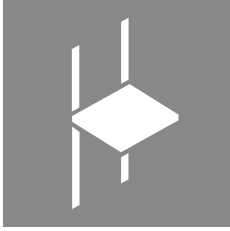
Is a platform with 4 load-bearing columns for travel of up to 12 metres.



▶ SPB system with driver on board

Dinamic Lift can be supplied with the homologated SPB system for driver on board complete with all its safety devices: UPS in the event of power failure, pushbutton for emergency descent to the lower floor, GSM system for emergency calls.





Up

It is an electrohydraulic goods lift with guides anchored on a bearing wall, designed for vertical transport of goods to several floor for carrying capacities from 300 to 2500 kg.

The platform movement is done by direct hydraulic cylinder and double-chain transmission.

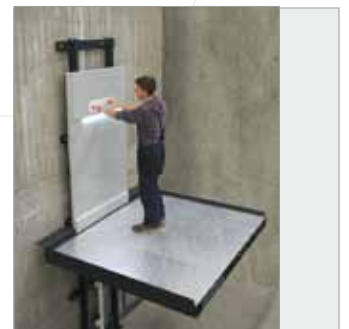
Thanks to its removable structure it can also be installed on areas of difficult access.

The single columns goods lift



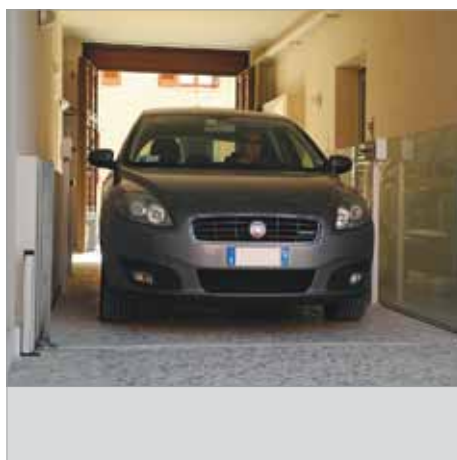
The goods lift with operator on board

The Up goods lift can be supplied with the homologated SPB system which allow the use of the lift with the operator on board, complete with following safety devices: Double dead-man push button on board, UPS in case of power failure, pushbutton for emergency descent to the lower floor, system for emergency calls or call center connection.



Up Spb

We invite you to visit our showroom.



UP **DINAMIC**
S.r.l.

CE

Up Dinamic S.r.l.

Via Franco Modigliani 22
37045 - Legnago (VR) Italy

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Tel. +39.0442.590.129

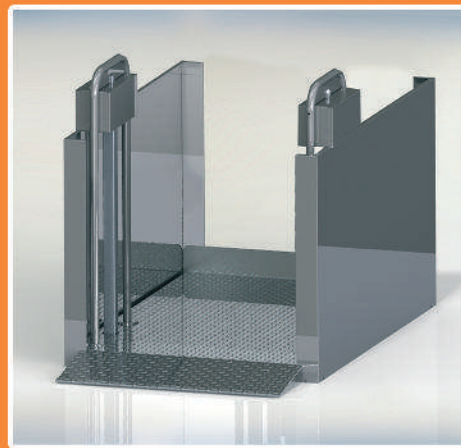
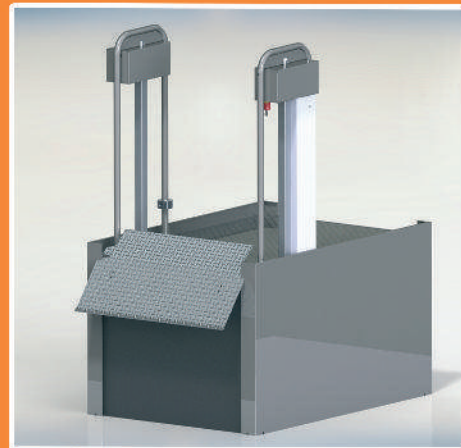
Fax +39.0442.599.091

E-mail: info@updinamic.com

MB 750 Micro A
Minimum space requirements

The MB 750 Micro A is designed to be an ultra-narrow platform that is open at both ends. The passage width of 75 cm can even accommodate wider wheelchair models ensuring mobility in very tight spaces with a minimum of fuss.

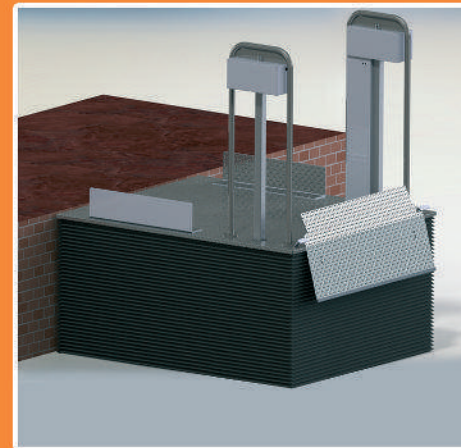
Passage width: 75 cm
Outer dimensions: 95 x 133 cm



MB 750 Micro B
small and low-profile

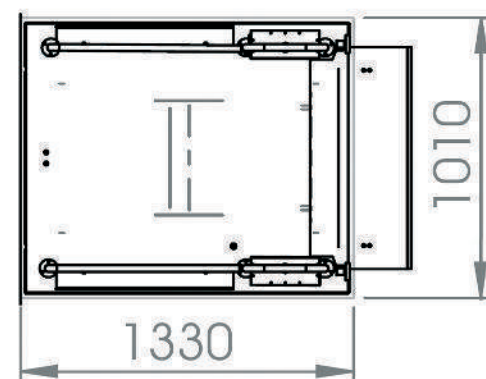
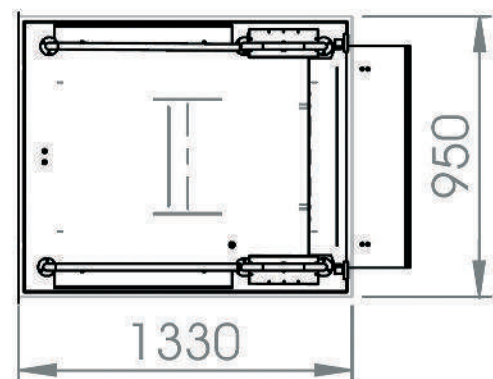
The MB 750 Micro B is just as narrow as the MB 750 Micro A. An all-round folding bellow offers an alternative as underrun protection element lending this lift a more subtle appearance when lowered.

Passage width: 75 cm
Outer dimensions: 101 x 133 cm



LIFT MB750

MINIMUM SPACE REQUIREMENTS



Wheelchair lifting platform MB750

Two variants for maximum flexibility.

With the lifts from the MB750 series, you have two variants to create access to the buildings in very tight spaces – either as open-ended lifts or corner entrance lifts. The maximum lifting height of 75 cm bridges up to 4 steps into and next to the building.

Thanks to the flat shear-lift system and the proven spindle drive technology from the lifts MB100 & MB1300, the system can be installed directly onto horizontal ground or even into the ground if necessary.

As far as the appearance of the platform is concerned, it is simply a matter of your taste. Outer metal sheets made of stainless steel with blinds on both sides to act as underrun protection are an ideal solution for tight spaces. Alternatively, all-round folding bellows can be used that offer a free 360° view.

Standing persons can also use the platform safely thanks to the optional railing. The MB750 is resistant to cold, heat and rain. One of its outstanding features is its operating reliability. This makes the MB750 the right choice for indoors or outdoors, whether in the stormy and salty environment in the north or in frosty weather in the south.

The most important thing though is how easy it is to operate. The control elements are located centrally on a hand control unit. A flexible spiral cable connects it to the electronics of the MB750. Want even more convenience? You can also control the lift via a remote control or our Bluetooth-based app on your smartphone. Simple operation – the MB750 sets new standards.



Lifting height up to 75 cm
Four steps



Corner access & straight
access platform possible



350 kg loading capacity,
also suitable for heavy wheelchairs



Pit depth up max. 60 cm



Speed 1,25 cm/s



Suitable for indoors or outdoors,
only 230V required



Can be operated via remote
control or a smartphone app
(Bluetooth)



CE-conform acc. to Machinery
Directive 2006/42/EC



100% made in Germany



Picture shows MB750 Micro B
with optional railing and control panel.

Standard operation: hand control unit on a
flexible spiral cable with UP/DOWN button



Optional control panel in the railing with
sensor buttons



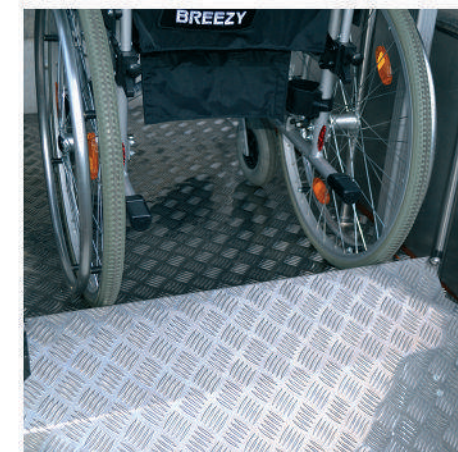
Can also be operated via Bluetooth and
a smartphone app



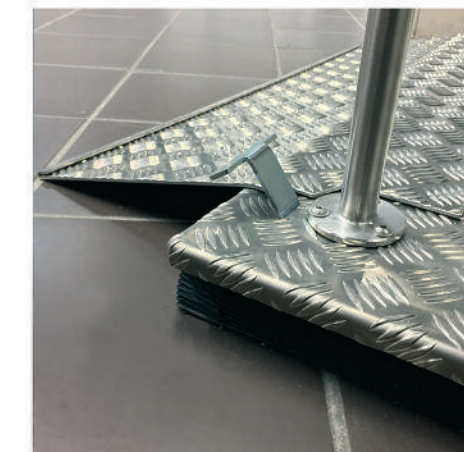
Optional call station for the upper and lower
stations with sensor buttons

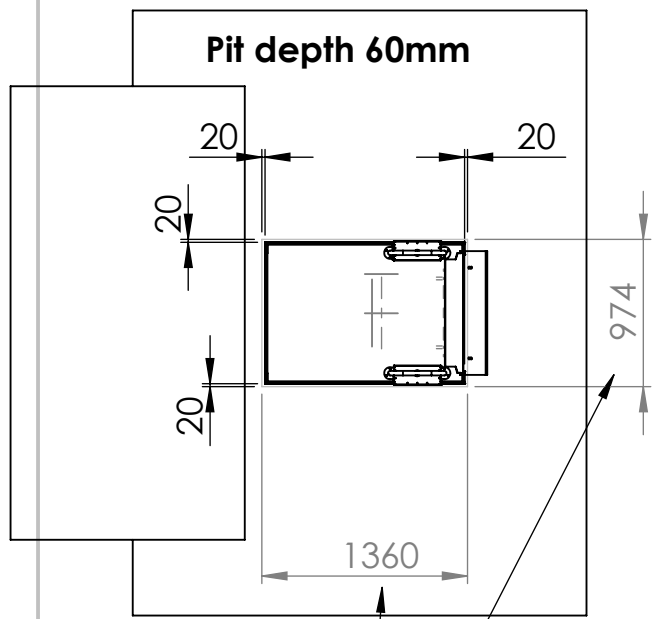
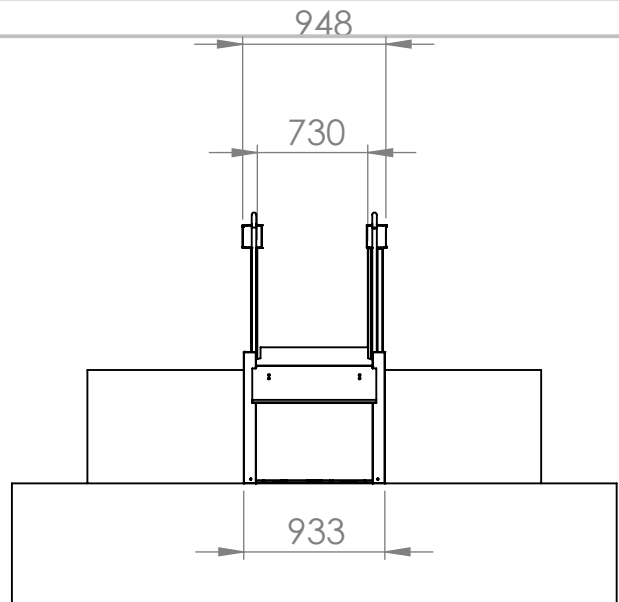
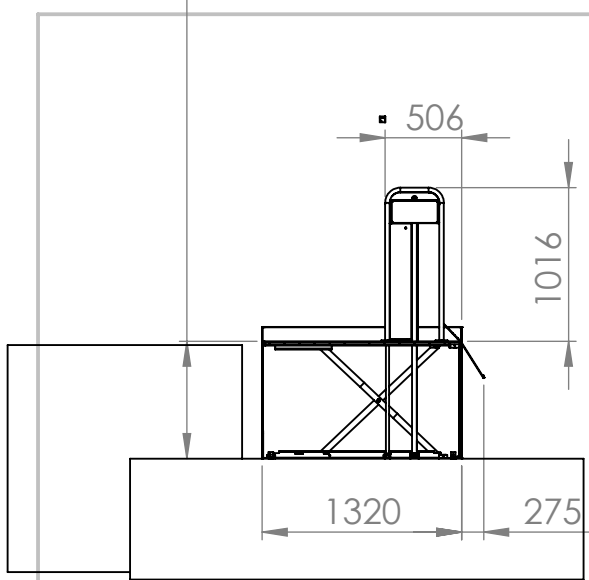


Access ramp also acts as a wheel stop
for the wheelchair user



Minimum ramp height of 60 mm, can
also be installed into the ground



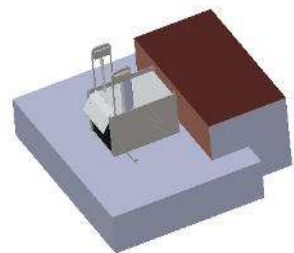


pit dimensions

Maximum lifting height:
 If installed on the floor: 750 mm
 If installed in a 60mm deep pit: 690 mm

The installation ground has to be plain and horizontal to every side.
 The wing loading is a maximum of 5 kN / m².
 Power supply: 230 V / 50 Hz, 16 A
 Maximum current consumption: 0.3 kW
 Lifting speed: 1.25 cm / s

Safety distances to other components in addition to the MB750: > 100 mm
 Maximum gap width between MB750 and upper exit: 20 mm



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:



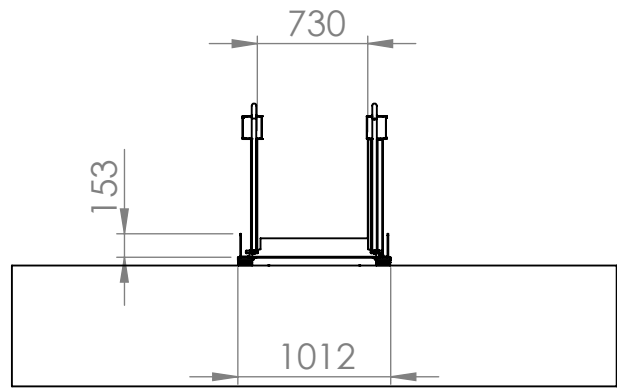
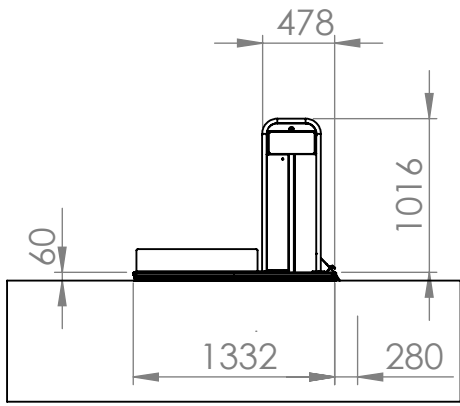
ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG

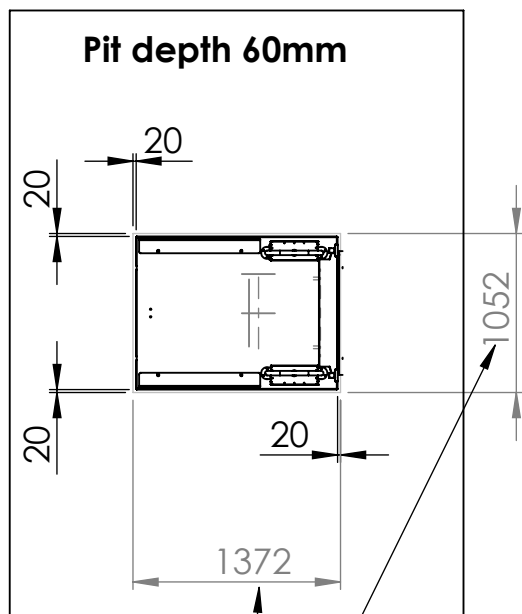
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GEZEICHNET: Bartsch		28.5.14	
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			GEWICHT:

BENENNUNG:	MB750 - Micro A	
ZEICHNUNGSNR.	Dimension sheet MB750	A4
MASSSTAB: 1:100	BLATT 3 VON 3	



Maximum lifting height:
 If installed on the floor: 750 mm
 If installed in a 60mm deep pit: 690 mm

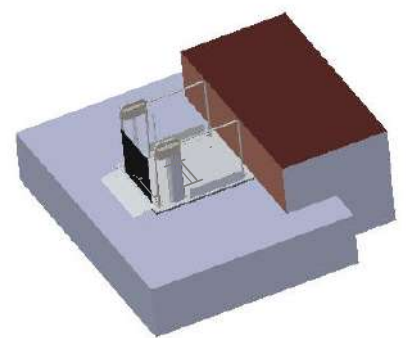
The installation ground has to be plain and horizontal to every side.
 The wing loading is a maximum of 5 kN / m².
 Power supply: 230 V / 50 Hz, 16 A
 Maximum current consumption: 0.3 kW
 Lifting speed: 1.25 cm / s



Pit dimensions

Safety distances to other components in addition to the MB750: > 100 mm
 Maximum gap width between MB750 and upper exit: 20 mm

In the standard version of the lift, the entrance is located (below) on the motor side. Other versions are possible, but have to be ordered separately.
 The MB 750 can be used both with a drive-trough exit or with an angled (diagonal) exit.



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:



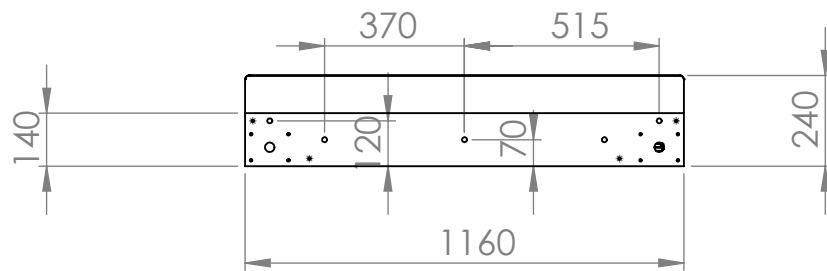
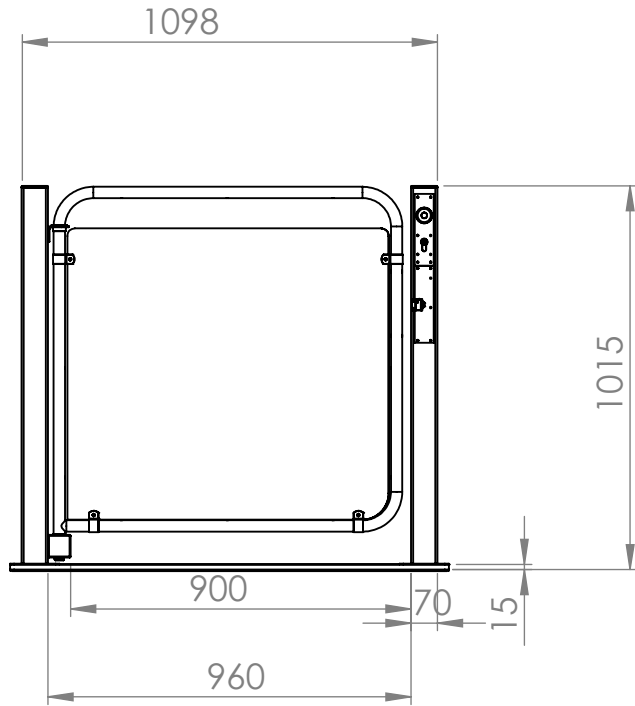
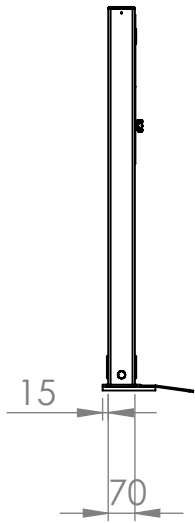
ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG

NAME	SIGNATUR	DATUM	WERKSTOFF:
GEZEICHNET Bartsch		28.5.14	
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			GEWICHT:

BENENNUNG:	MB750 - Micro B	
ZEICHNUNGSNR.	Dimension sheet MB750	A4
MASSTAB: 1:100	BLATT 2 VON 3	



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		15.4.14		
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

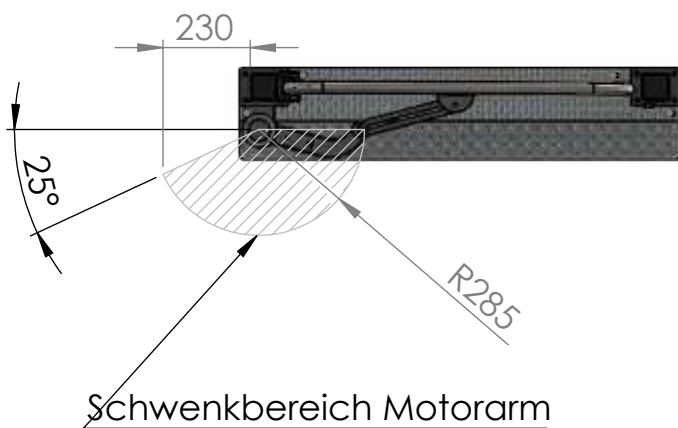
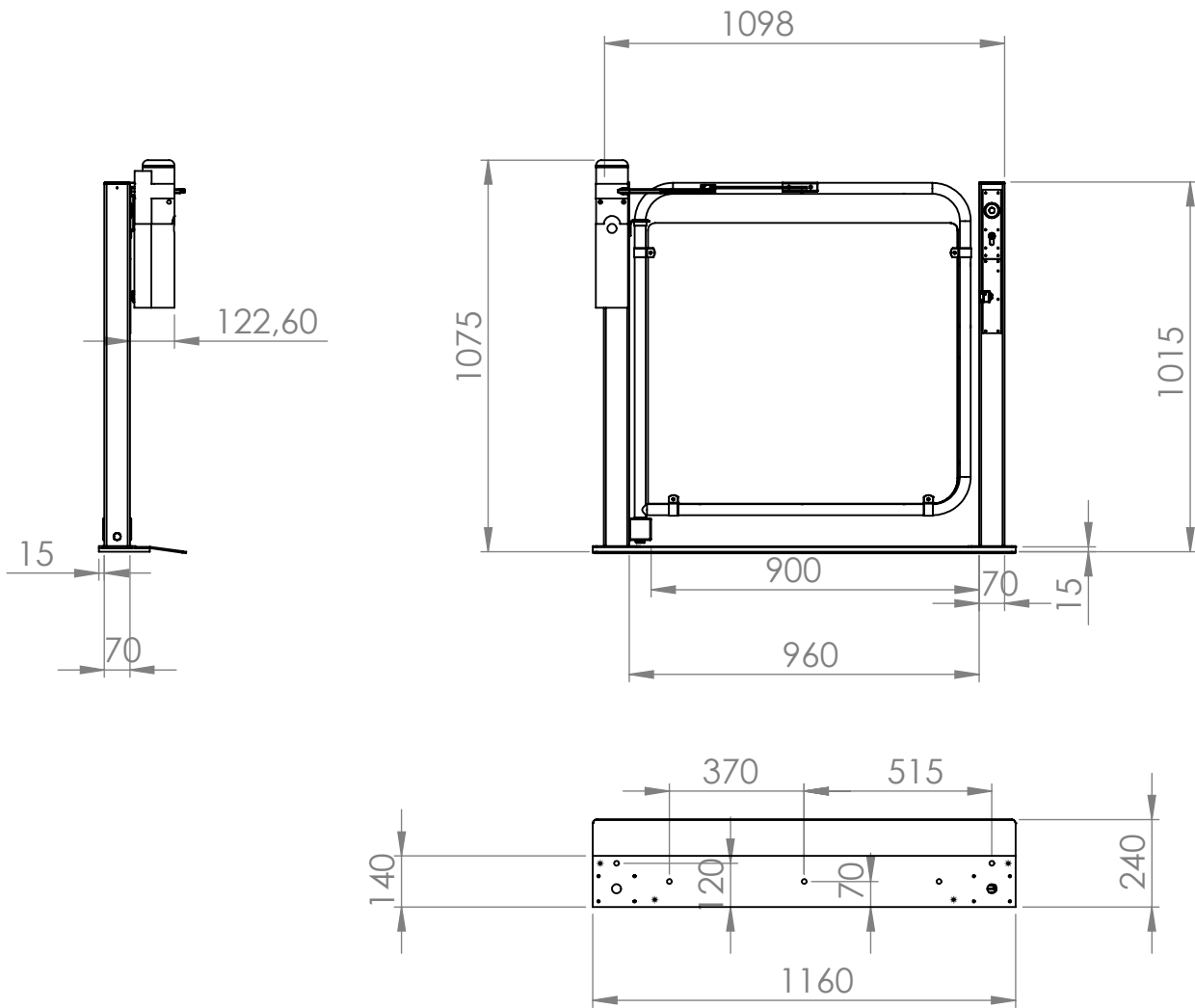
BENENNUNG:

ZEICHNUNGSNR.
ZSB MB Tür standard

A4

MASSSTAB: 1:20

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
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OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



BENENNUNG:

	NAME	SIGNATUR	DATUM
GEZEICHNET	Bartsch		15.4.14
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			

WERKSTOFF:

ZEICHNUNGSNR.

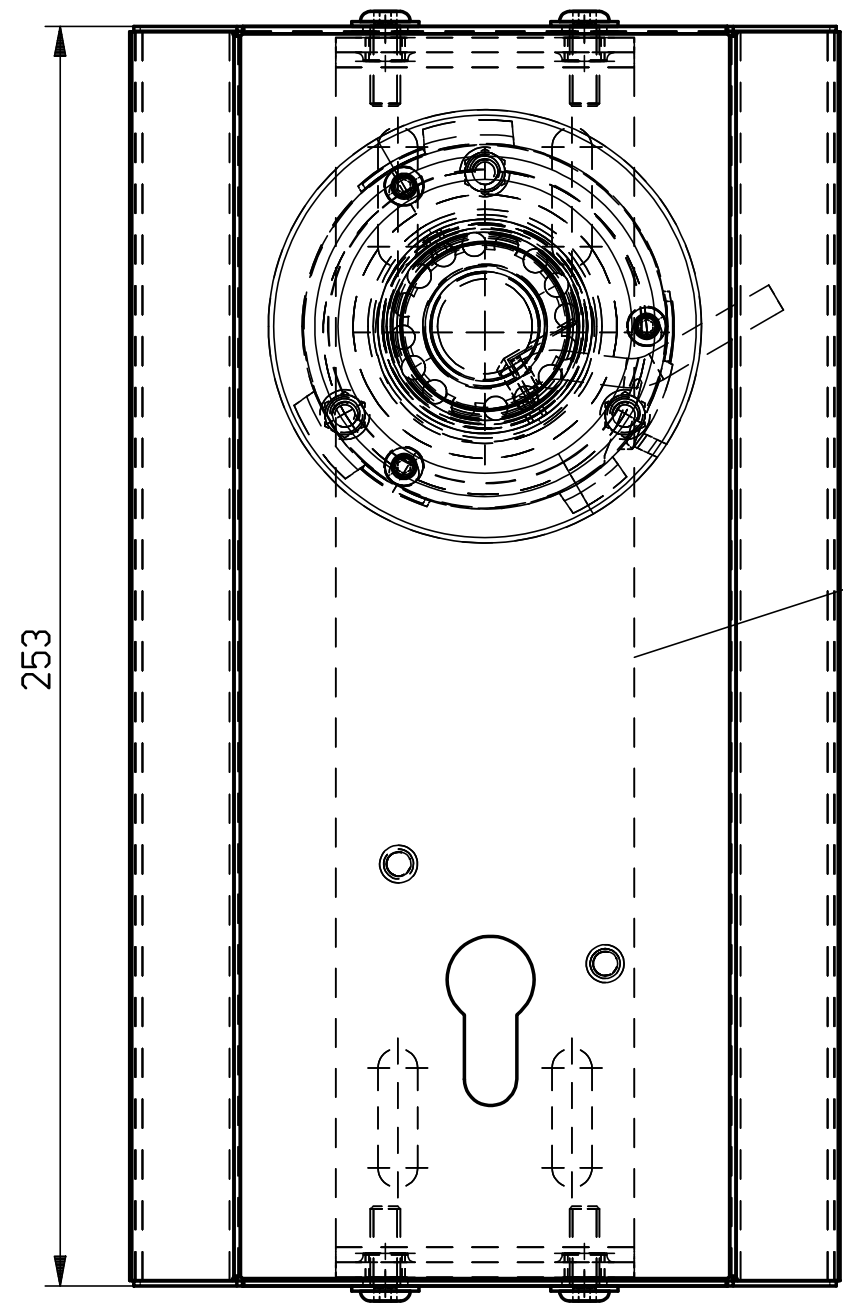
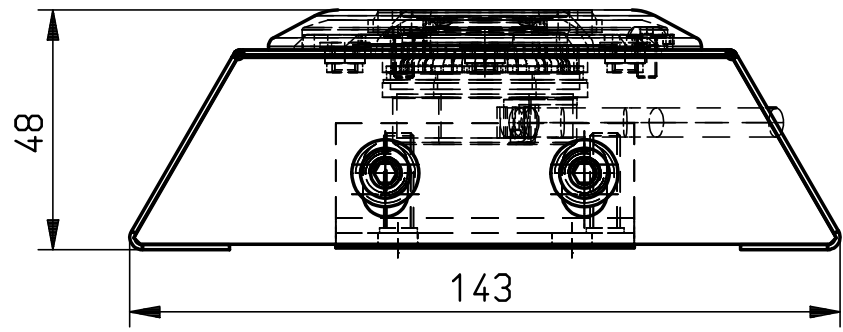
ZSB MB Tür mit Türantrieb

A4

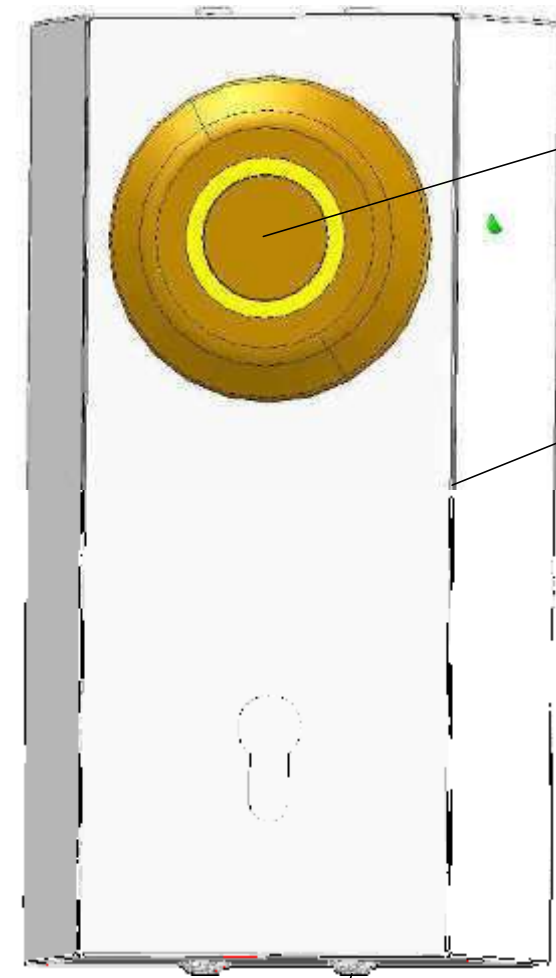
GEWICHT:

MASSSTAB: 1:20

BLATT 1 VON 1



HPL_0010_701_012 2




801-526 1

HPL-0010-701-014 3

550-006 5

Menge	Pos.	Zeichnungsnr.	Benennung	Länge	Werkstoff	Gewicht	Art.Nr.
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1	4	HPL_0100_900_510	MBG Schließelement	0.00		0.1	
1	3	HPL-0010-701-014	SBG Aufputzgehäuse	0.00		0.0	
1	2	HPL_0010_701_012	SBG Halter Aufputzge. Schl-Tas	0.00		0.4	
1	1	801-526	EAO Taster Serie 56 (801-526)	0.00		0.0	801-526

Allg. Toleranzen						
DIN 7168 m C <i>Längenmaße</i>	DIN 8570 BF <i>Schweißkonstruktionen</i>	DIN 6930 g <i>Slanzen</i>	DIN 6935 <i>Kaltbiegen</i>	DIN 2310 II B <i>Thermisches Schneiden</i>	DIN 2310 II D <i>Plasma Schneiden</i>	Ursprung:
 Tel. 0561/58907-0 Fax: 0561/58907-34 58907-45 Email: info@herkules-lift.de www.herkules-lift.de		Oberfläche DIN ISO 1302		Maßstab 1:1.5	Masse(Gew.)	Art.Nr. HPL-0010-701-010
		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug		
			Datum	Name	Benennung	
			Bearb.	15.04.2010	Hühn	MBG Aufputzgehäuse
			Gepr.	16.04.2010	Schönebach	HPL_0010
a	AM 34/2010	02.07.2010	Hühn	Zeichnungsnummer		Status
Zust.	Änderung	Datum	Name	HPL-0010-701-010		In Arbeit
				Ers. für		Ers.d.
						Format
						Blatt
						von

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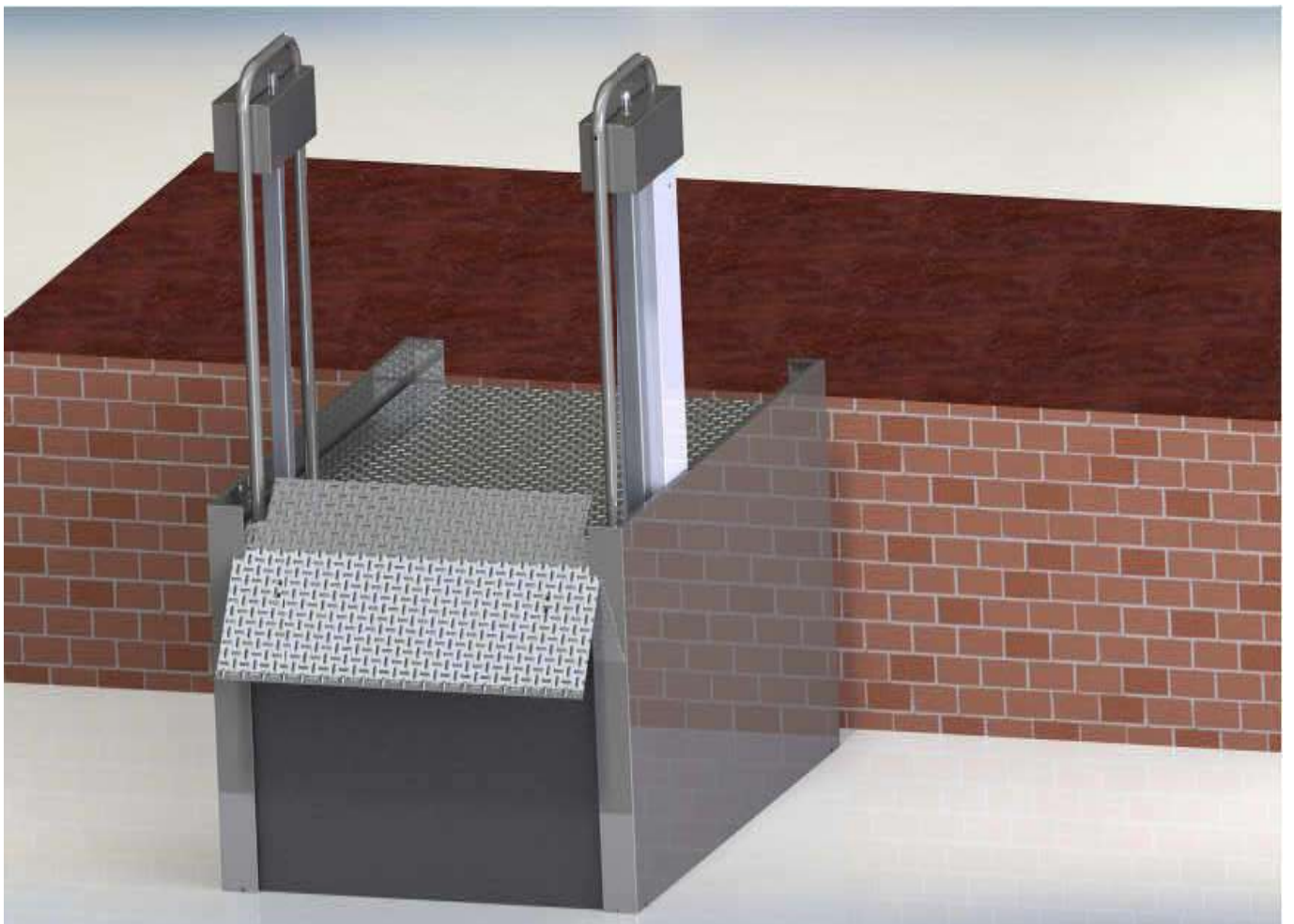
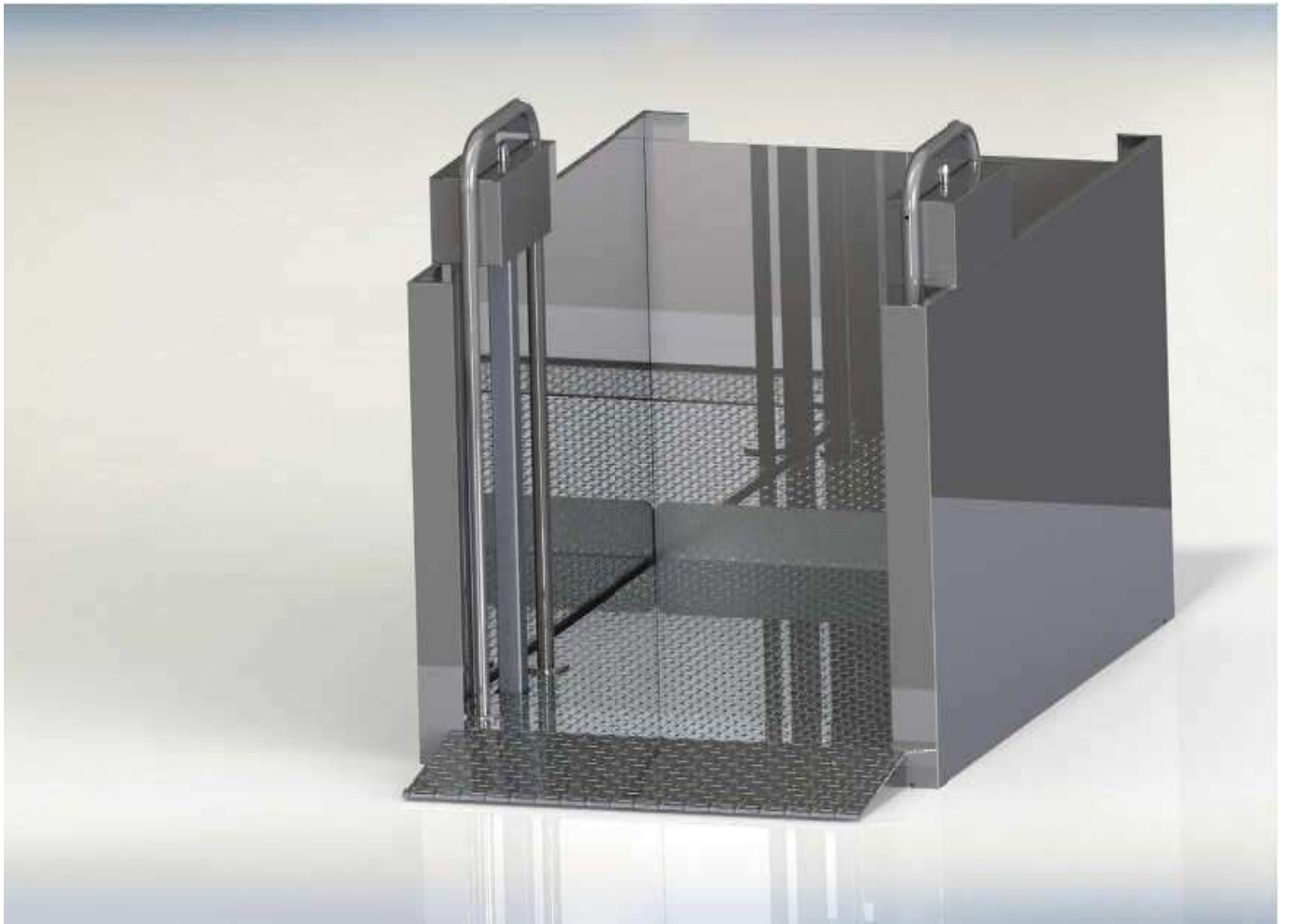


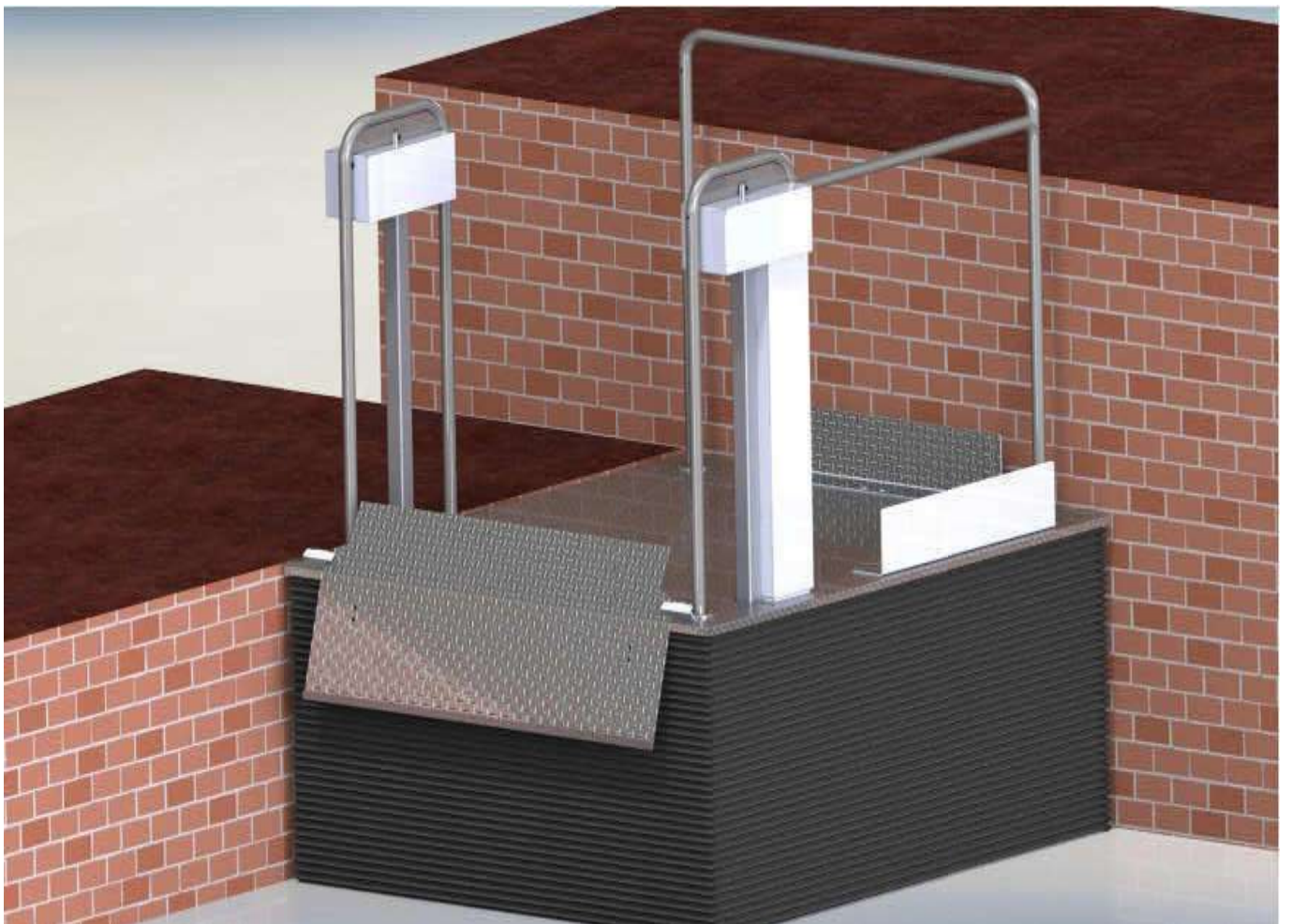








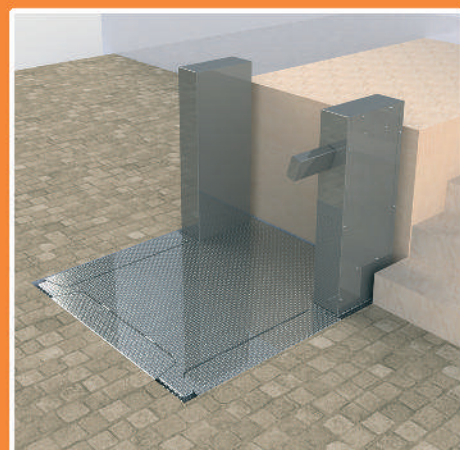




MB850 Micro / MB850 Duo
Installed flat on the ground

Thanks to the large turning surface on the platform, the MB850 is available with a platform open at both ends or with a corner access. Because it is installed flat on the ground, it can be entered from 3 sides at the same time – absolute flexibility.

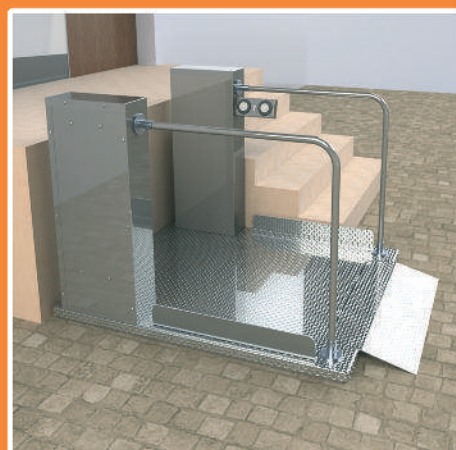
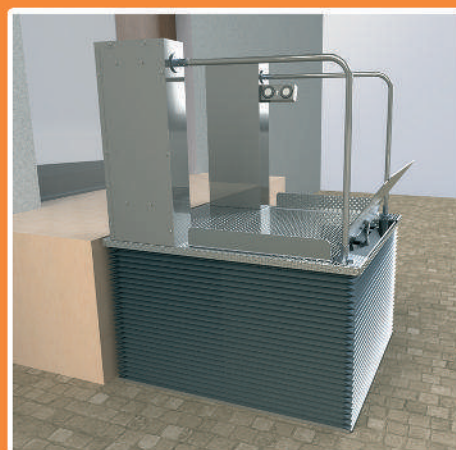
Passage width: 75 / 90 cm
Outer dimensions: 110 / 125 x 143 cm



MB 850 Micro
small and inconspicuous

The MB850 Micro is the narrowest version of the MB850 series. An all-round folding bellow works as underrun protection element lending this lift a more subtle appearance when lowered.

Passage width: 75 cm
Outer dimensions: 110 x 143 cm



MB 850 Duo
Lift with corner access

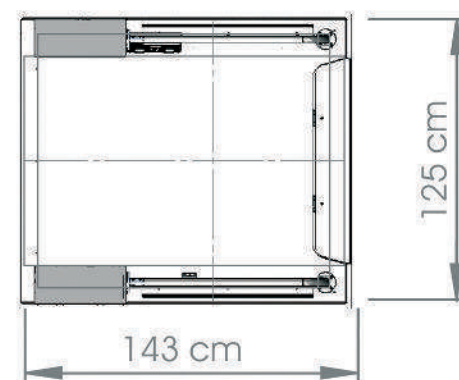
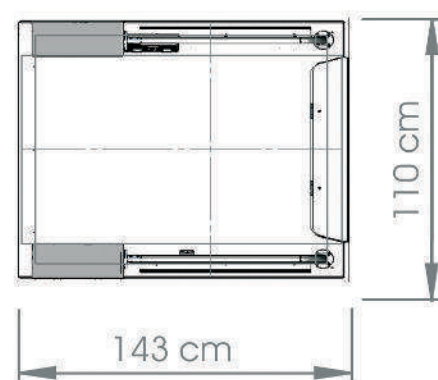
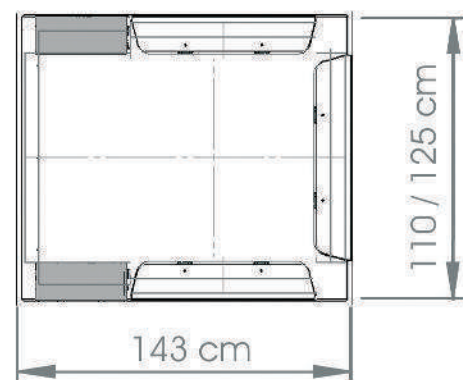
The lift MB850 duo allows straight or corner access thanks to the large platform size. Regardless of where the MB850 duo is installed it can be accessed from 3 sides. The passage width of 90 cm offers plenty of space to the left and right of the wheelchair.

Passage width: 90 cm
Outer dimensions: 125 x 143 cm



LIFT MB850

MINIMUM SPACE REQUIREMENTS



Wheelchair lifting platform MB850

Lots of variants for maximum flexibility.

With the lifts MB850 Micro and MB850 Duo, you have two different platform sizes to create access to buildings in very tight spaces – either as open-ended or corner entrance lift variant. The maximum lifting height of 85 cm bridges up to four or more steps into and next to the building.

Thanks to the flat scissor lift system and the proven spindle drive technology, the system can be installed directly onto horizontal ground or even into the ground if necessary. With the optional automatic folding ramps, the lift can be installed almost invisibly into the ground thereby creating more space.

The all-round folding bellow offer a free 360° view – at any height! Standing persons can also use the platform safely thanks to the optional railing.

The MB850 is resistant to cold, heat and rain. One of its outstanding features is its operating reliability. This makes the MB850 the right choice for indoors or outdoors, whether in the stormy and salty environment in the north or in frosty weather in the south.

The most important thing though is how easy it is to operate. The control elements are located centrally on a hand control unit. A flexible spiral cable connects it to the electronics of the MB850. Want even more convenience? You can also control the lift via a remote control or our Bluetooth-based app on your smartphone. Simple operation – the MB850 sets new standards.



Lifting height up to 85 cm
Four steps



Corner access & straight access
platform possible



300 kg loading capacity,
also suitable for heavy wheelchairs



Pit depth up max. 60 cm



Speed 2.5 cm/s



Suitable for indoors or outdoors,
only 230V required



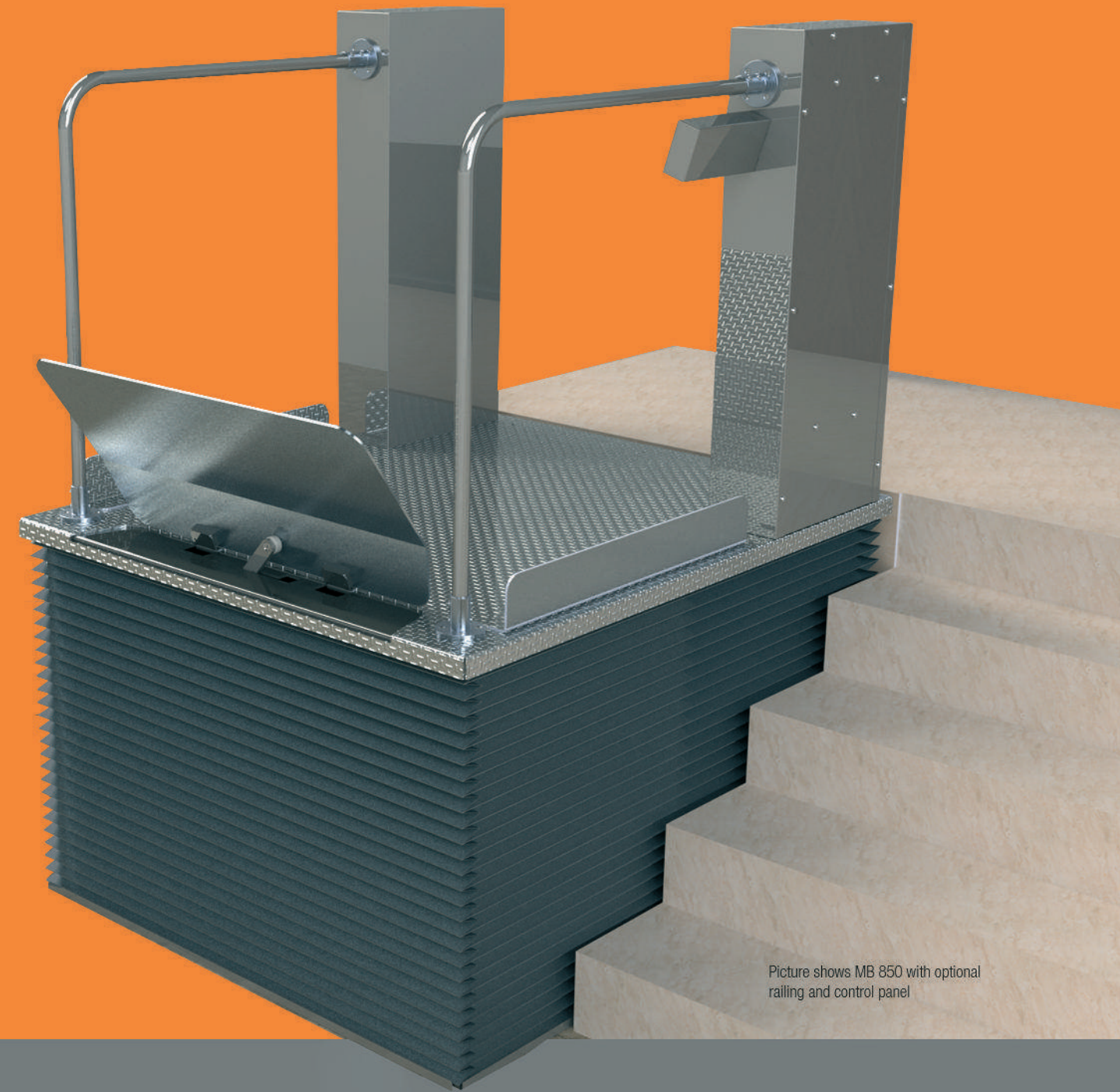
Can be operated via remote
control or a smartphone app
(Bluetooth)



CE-conform acc. to Machinery
Directive 2006/42/EC



100% made in Germany

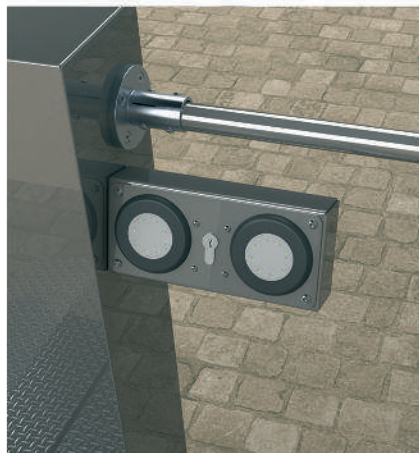


Picture shows MB 850 with optional railing and control panel

Standard operation: hand control unit on a flexible cable with UP/DOWN button



Optional control panel in the railing with sensor buttons



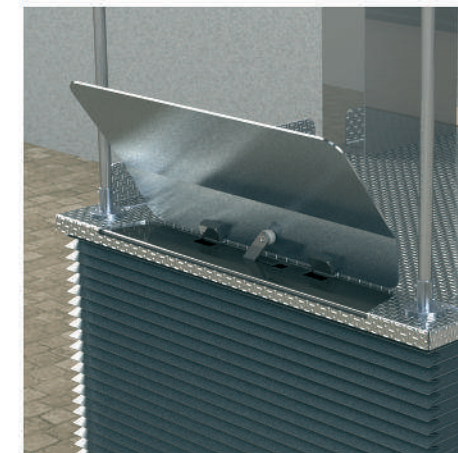
Can also be operated via Bluetooth and a smartphone app



Installation in a 60 mm deep pit – one variant of the MB850

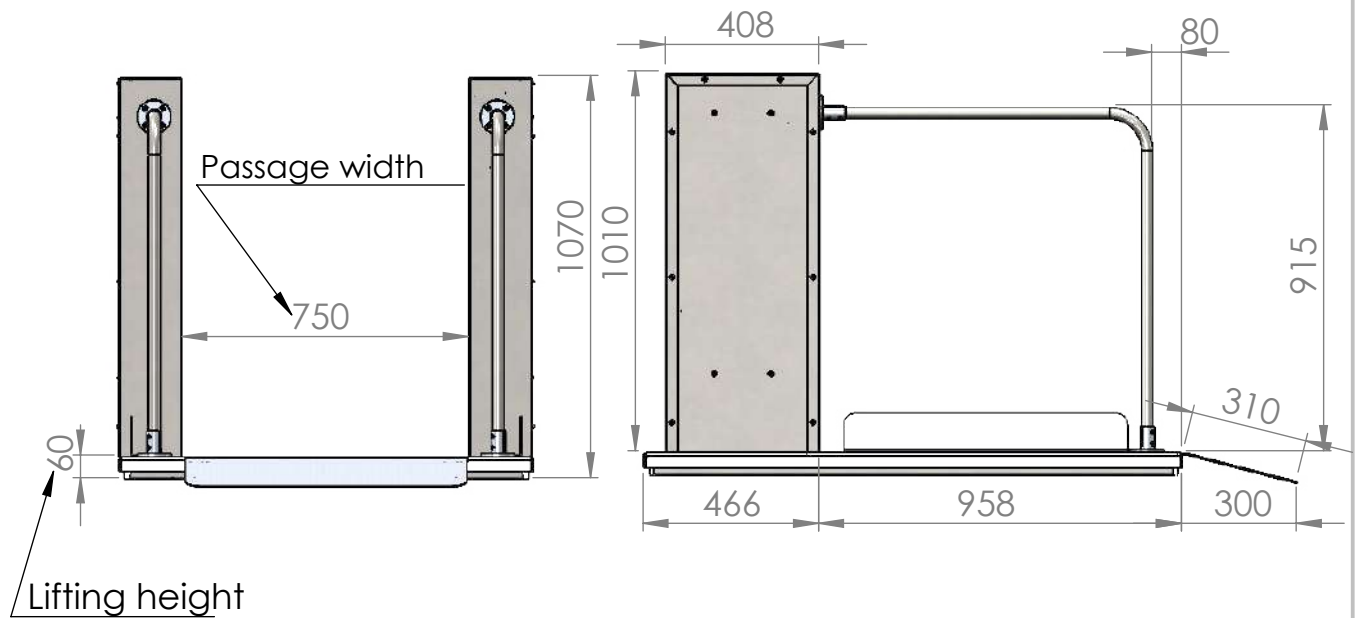


Access ramp also acts as a wheel stop for the wheelchair user

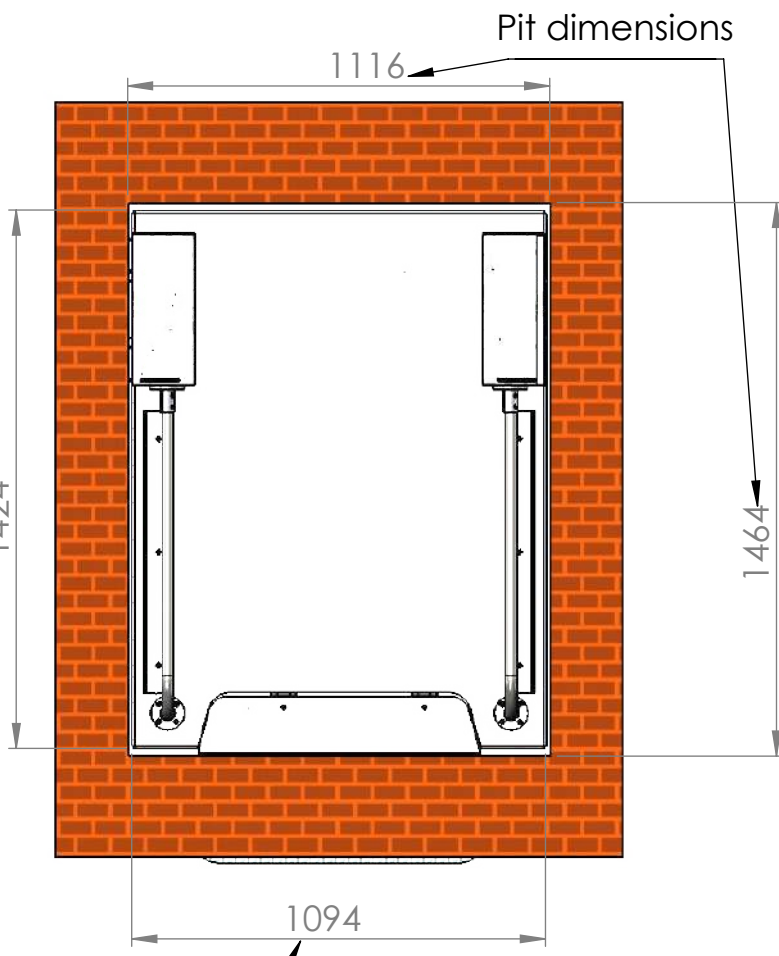


Minimum ramp height of 60 mm, can also be installed into the ground





Lifting height



Pit dimensions

Outer dimensions of platform

Lifting height 850 mm
 Optional pit depth 60 mm
 The ground on which the MB850 is installed must be flat and horizontal.
 The surface load is max. 4 kN/m²
 Power supply: 230 V/50Hz, 16 A
 Maximum power consumption 0.25 kW
 Lifting speed: approx. 2,5 cm/s

Maximum gap width between the platform and the upper exit: 20 mm
 Safety clearances to other parts (e.g. railing): > 100 mm

In the standard model, the entrance is opposite the motors.
 Access/exit from all sides (special order or 360 model)

Depending on the actual lifting height and the installation situation, fall protection should be installed at the upper station. We recommend our MB door



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

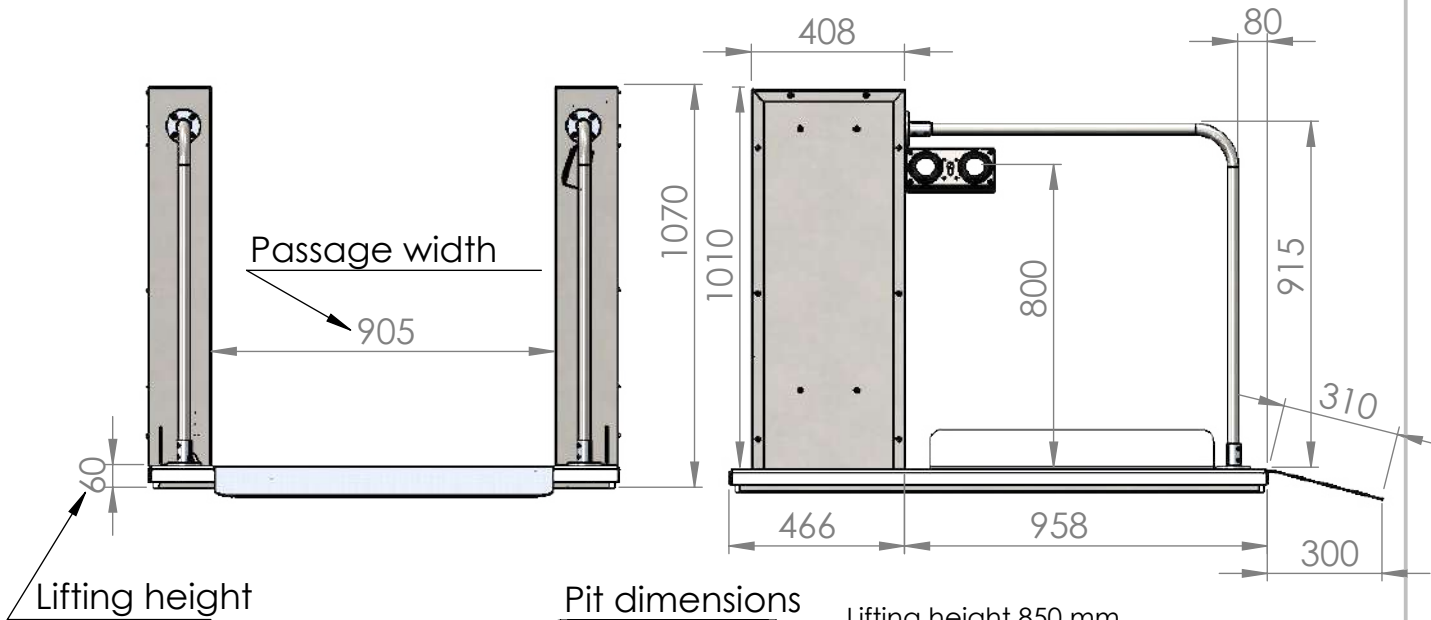
ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



NAME	SIGNATUR	DATUM	
GEZEICHNET Bartsch		30.8.16	A
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			
		WERKSTOFF:	
		GEWICHT:	

BENENNUNG:	Dimensions sheet MB 850 micro
ZEICHNUNGSNR.	
Massblatt MB 850 Micro (Alle Varianten)	A4
MASSTAB: 1:50	BLATT 1 VON 1

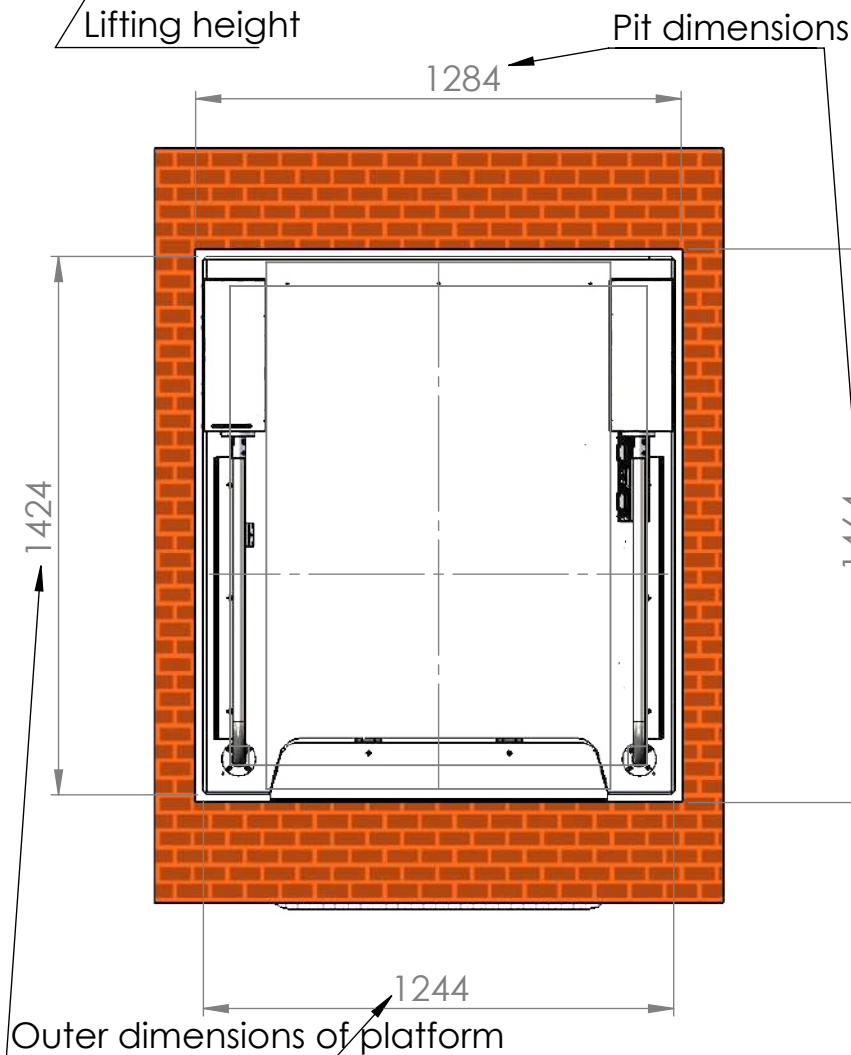
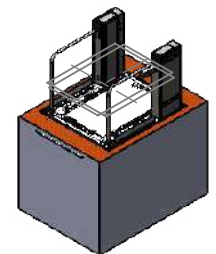


Lifting height 850 mm
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 The surface load is max. 4 kN/m²
 Power supply: 230 V/50Hz, 16 A
 Maximum power consumption 0.25 kW
 Lifting speed: approx. 2,5 cm/s

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 Safety clearances to other parts (e.g. railing): > 100 mm

In the standard model, the entrance is opposite the motors.
 Access/exit from all sides (special order or 360 model)

Depending on the actual lifting height and the installation situation, fall protection should be installed at the upper station. We recommend our MB door.



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
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 LINEAR:
 WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



BENENNUNG:

Dimension sheet MB80 duo

ZEICHNUNGSNR.

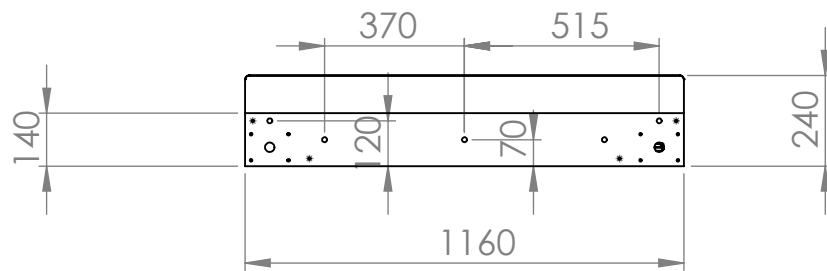
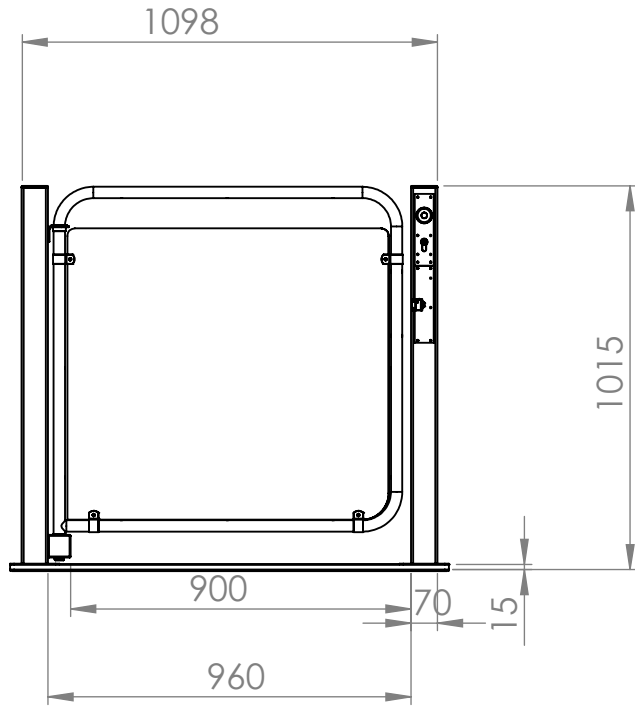
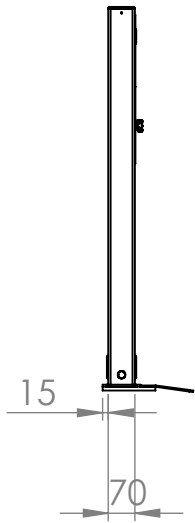
Massblatt MB 850 Duo (Alle Varianten)

A4

GEZEICHNET: Bartsch
 GEPRÜFT:
 GENEHMIGT:
 PRODUKTION:
 QUALITÄT:
 WERKSTOFF:
 GEWICHT:

MASSSTAB: 1:50

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		15.4.14		
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

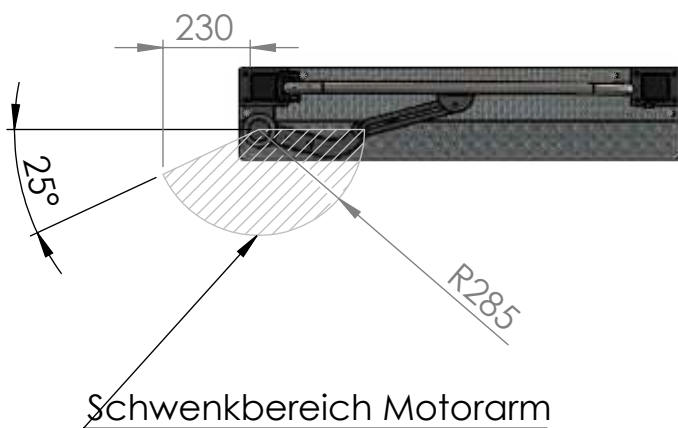
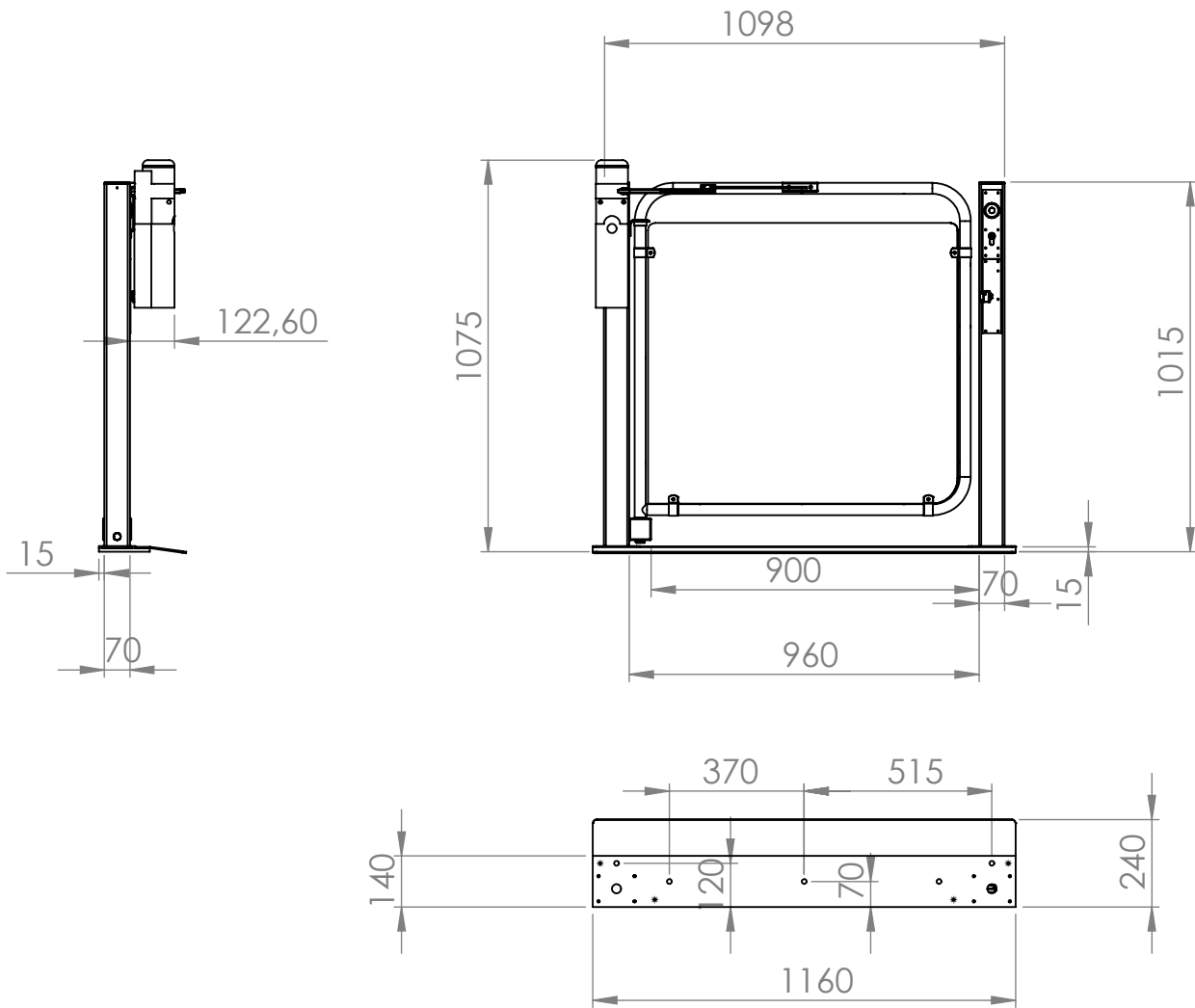
BENENNUNG:

ZEICHNUNGSNR.
ZSB MB Tür standard

A4

MASSSTAB: 1:20

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



BENENNUNG:

	NAME	SIGNATUR	DATUM
GEZEICHNET	Bartsch		15.4.14
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			

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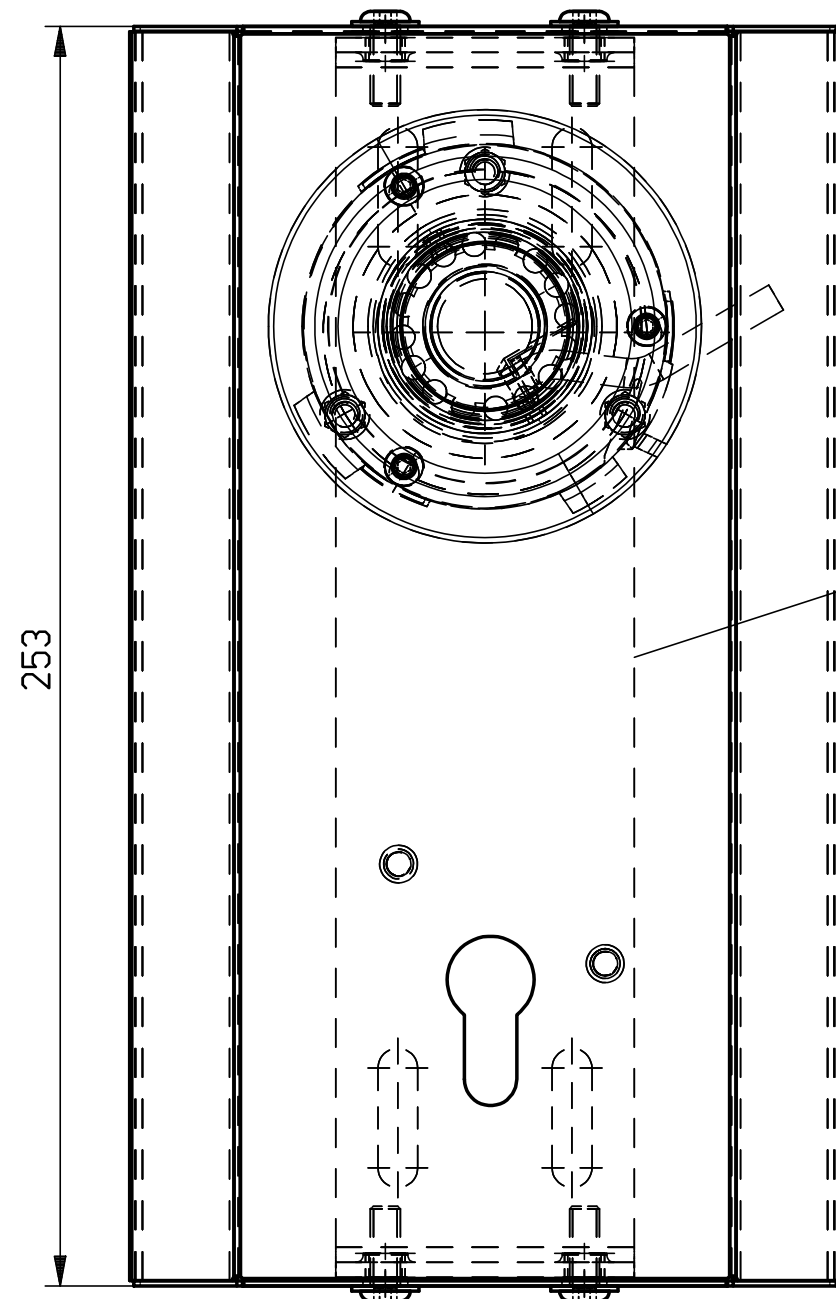
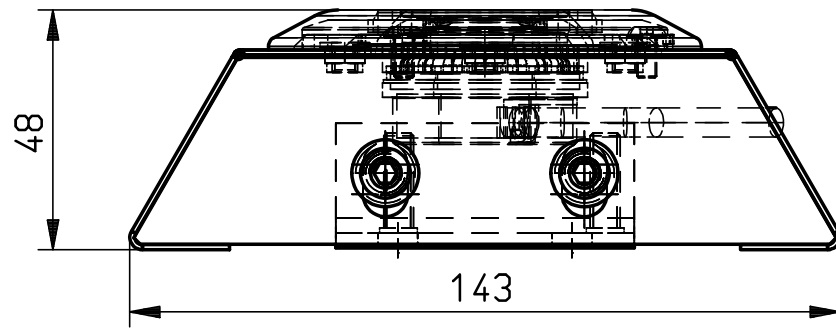
ZSB MB Tür mit Türantrieb

A4

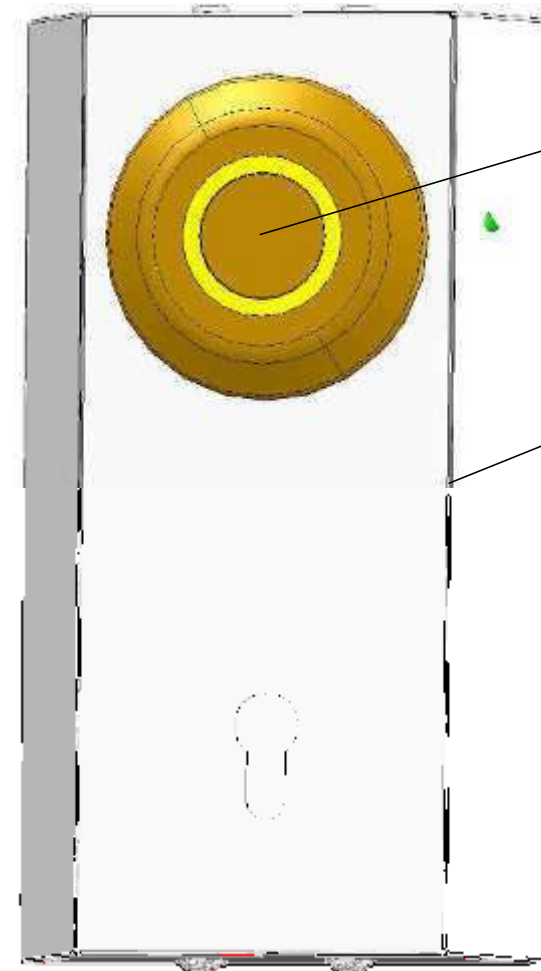
GEWICHT:

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BLATT 1 VON 1



HPL_0010_701_012 2



801-526 1

HPL-0010-701-014 3

550-006 5

Menge	Pos.	Zeichnungsnr.	Benennung	Länge	Werkstoff	Gewicht	Art.Nr.
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1	4	HPL_0100_900_510	MBG Schließelement	0.00		0.1	
1	3	HPL-0010-701-014	SBG Aufputzgehäuse	0.00		0.0	
1	2	HPL_0010_701_012	SBG Halter Aufputzge. Schl-Tas	0.00		0.4	
1	1	801-526	EA0 Taster Serie 56 (801-526)	0.00		0.0	801-526

Allg. Toleranzen						
DIN 7168 m C Längenmaße	DIN 8570 BF Schweißkonstruktionen	DIN 6930 g Slanzen	DIN 6935 Kalibiegen	DIN 2310 II B Thermisches Schneiden	DIN 2310 II D Plasma Schneiden	Ursprung:
 Tel.: 0561/58907-0 Fax: 0561/58907-34 58907-45 Email: info@herkules-lift.de www.herkules-lift.de		Oberfläche DIN ISO 1302		Maßstab 1:1.5	Masse(Gew.) 0	Art.Nr. HPL-0010-701-010
		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug		
			Datum	Name	Benennung	
			Bearb.	15.04.2010	Hühn	MBG Aufputzgehäuse
			Gepr.	16.04.2010	Schönebach	HPL_0010
a	AM 34/2010	02.07.2010	Hühn	Zeichnungsnummer		Status
Zust.	Änderung	Datum	Name	HPL-0010-701-010		In Arbeit
				Ers. für		Ers. d.
				Format		Blatt
						von

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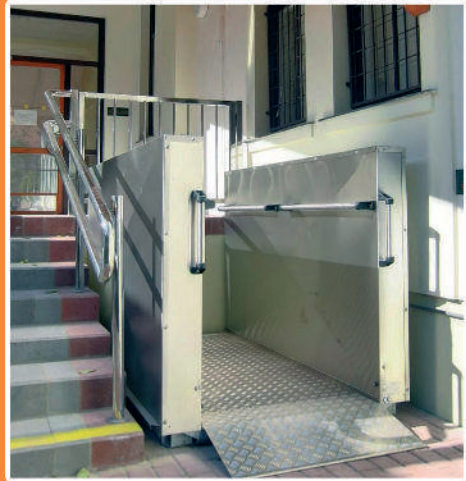




MB1000

The MB1000 lifting device has a travel height of up to 100 cm and is designed for use by wheelchair users. The platform size of 83 x 165 cm allows an additional companion to travel with you.

Access width: 83 cm
External measurements: 119 x 165 cm



MB1300

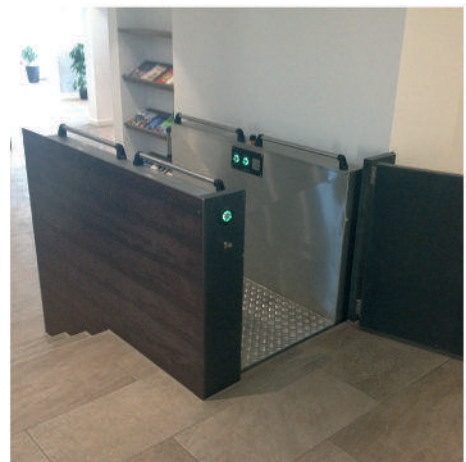
The MB1300 lifting device is the larger version of the MB1000. The difference: More travel height of up to 128 cm and a larger platform of 90 x 200 cm. Absolutely suitable for wheelchairs, of course, with plenty of space for larger and longer wheelchairs.

Access width: 90 cm
External measurements: 131 x 200 cm



Safety & comfort

The numerous handy options ensure even greater safety and comfort. The stainless steel door for the upper stopping point ensures protection against falling down - and even does it automatically thanks to an electrical door opener.



Design options

You can customise your MB1000/MB1300 lifting device to suit your needs with many more handy options. Give your lift a splash of colour - with a powder coating on the stainless steel housing in a colour of your choice.



LIFT MB1000 & 1300

THE EVERYWHERE LIFT

MB 1000/1300 - the lift for every purpose.

MB1000

MB1300

The platform MB 1000/1300 solves any problems of many accesses of public or private buildings. If there is trouble because of monumental protection or no lift has ever seemed to fit into your building, the MB 1000 /1300 is the answer. Thanks to its smart design, there is no need of remodeling your building. The only thing our platform needs is a flat space and just the ordinary 230V power supply. It's that easy.

Thanks to the assembly of stainless steel and aluminium it is weather resistant. So no matter if the lift stands in heavy rain or in blazing sun whether it is hot or freezing, the MB 1000/1300 is the solution you can rely on.

The MB 1000/1300 impresses with its excellent quality and the usability. Therefore, people with a walking disability are excited about the smooth lifting technique and the rugged handrails. Wheelchair users like the construction height of only 55 respectively 70 millimeter of the drive-up and the integrated protection against rolling from the platform by mistake. Another reasonable feature is the flexible control unit with a helix cable. You can control the whole lift just with one hand. This is what we call usability.

You can use the MB 1000/1300 inside a public building as well as in your private home. The MB1000/1300 makes every entrance accessible for the handicapped. Fast and smart.



Lifting height up to 100 cm



300kg loading capacity
Suitable for heavy e-wheelchairs



Pit depth max. 55 mm



Speed 1,5 cm/s



For indoor & outdoor use
only 230V required



Controlled via remote control
or Smartphone-App (Bluetooth)



CE-Conformity according to
machinery directive 2006/42/EG.



100% made in Germany



Lifting height up to 128 cm



260kg load capacity
Suitable for heavy e-wheelchairs



Pit depth max. 70 mm



Picture shows MB1000 with barrier.

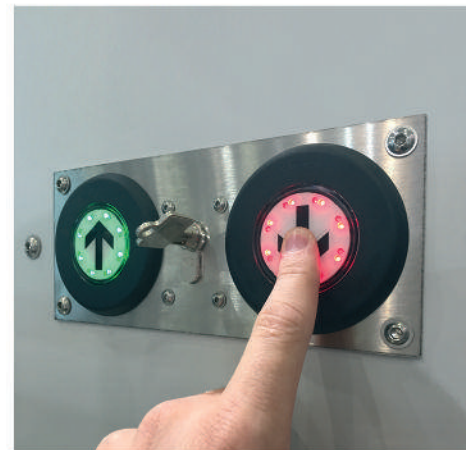
Standard operation: hand control unit on a spiral cable with UP/DOWN button



Optional control with Smartphone-App via Bluetooth



Alternative control unit on the platform: Integrated large size sensor buttons



Optional call buttons for the upper & lower stopping point of your lift

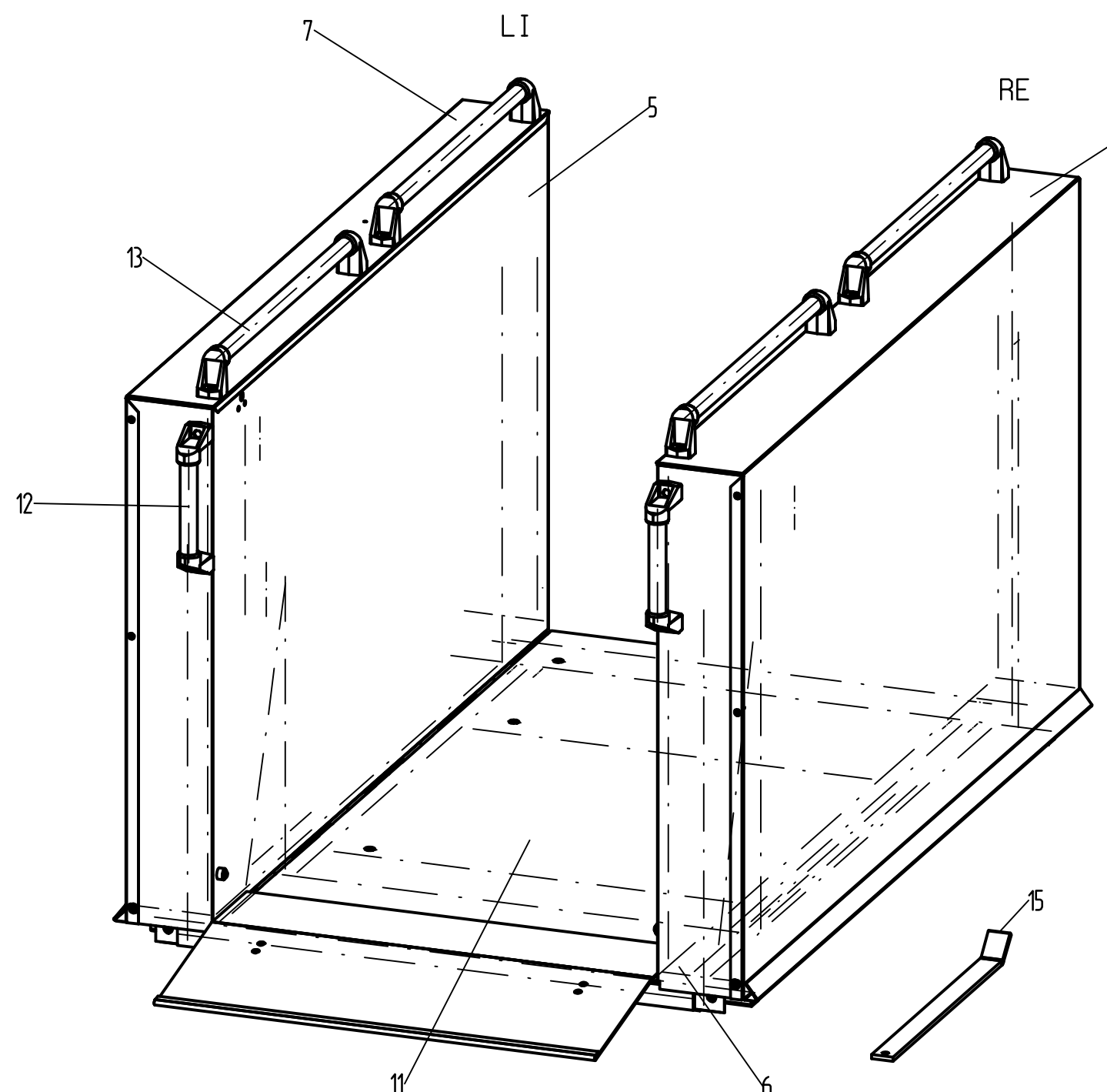
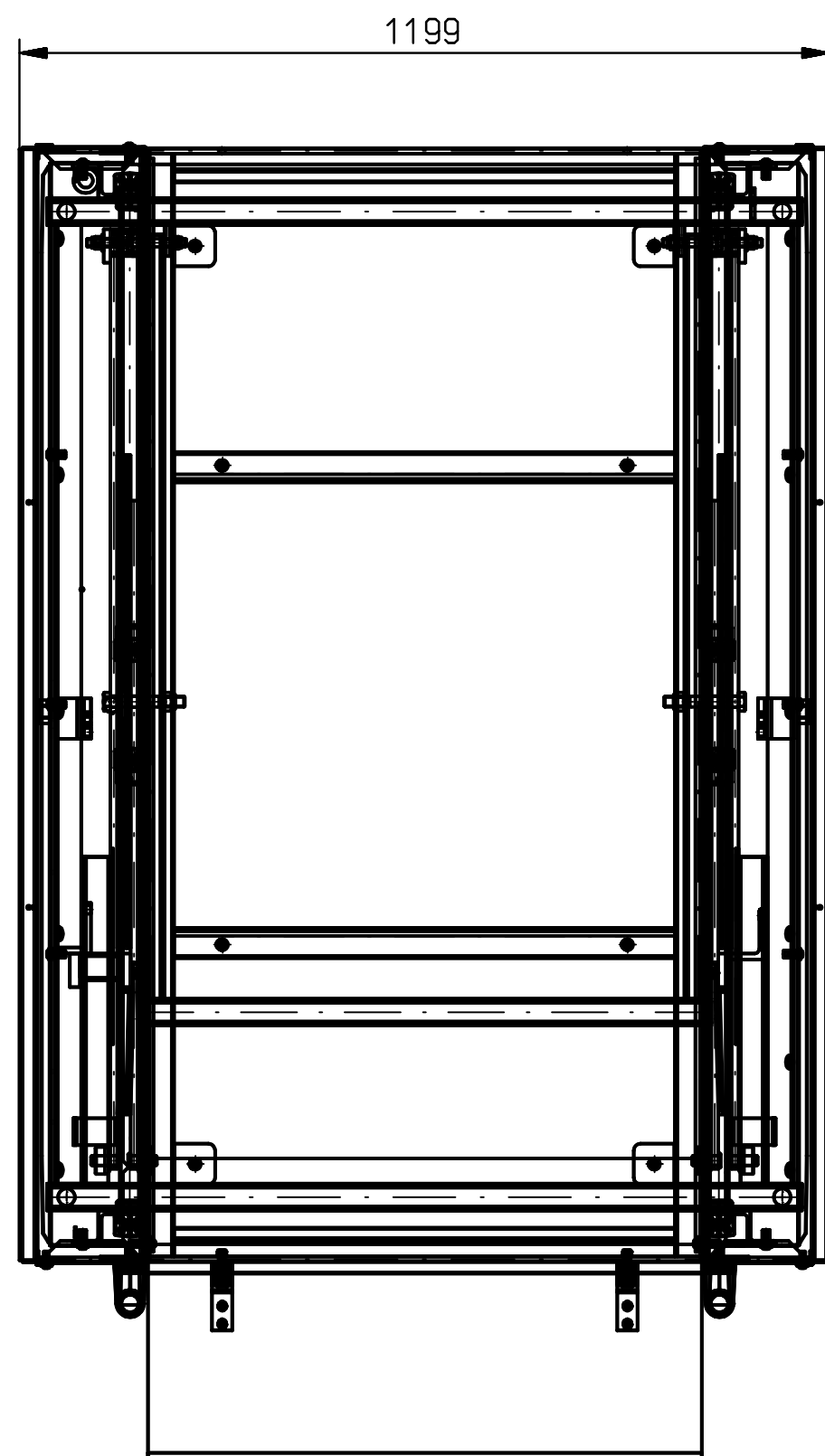
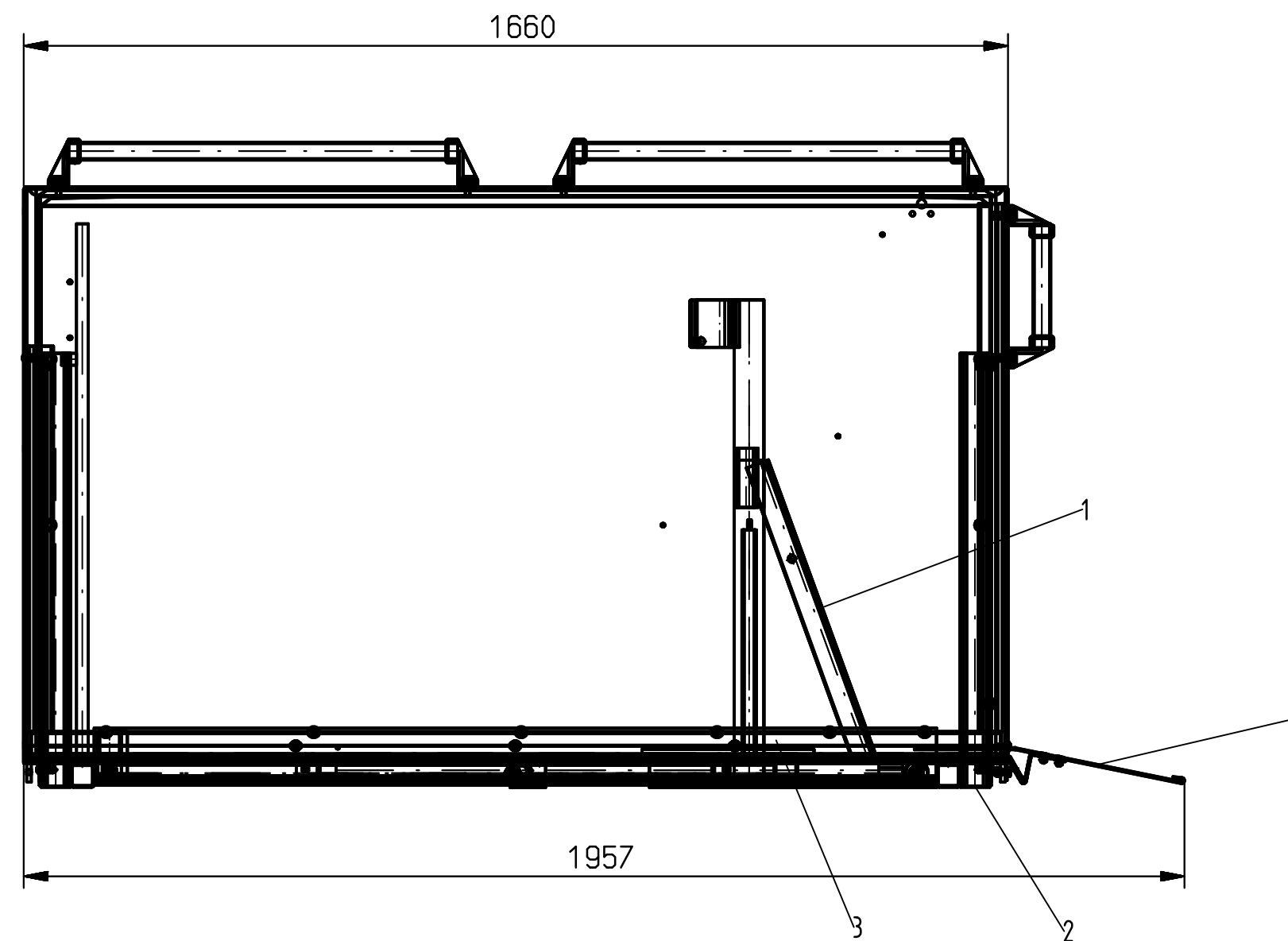
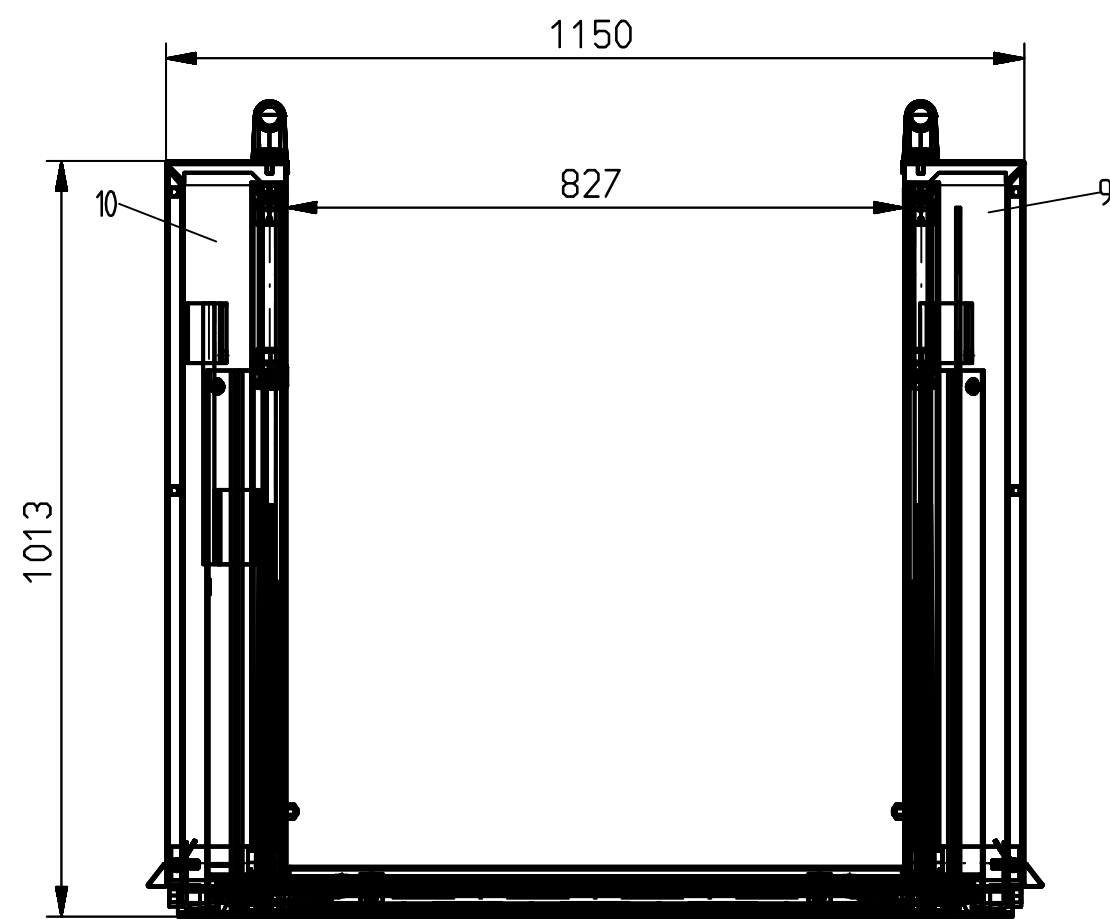


Simultaneous roll-back protection and drive-on ramp for the wheelchair user



Minimal drive-on height of 55/70mm, also installable recessed into the ground



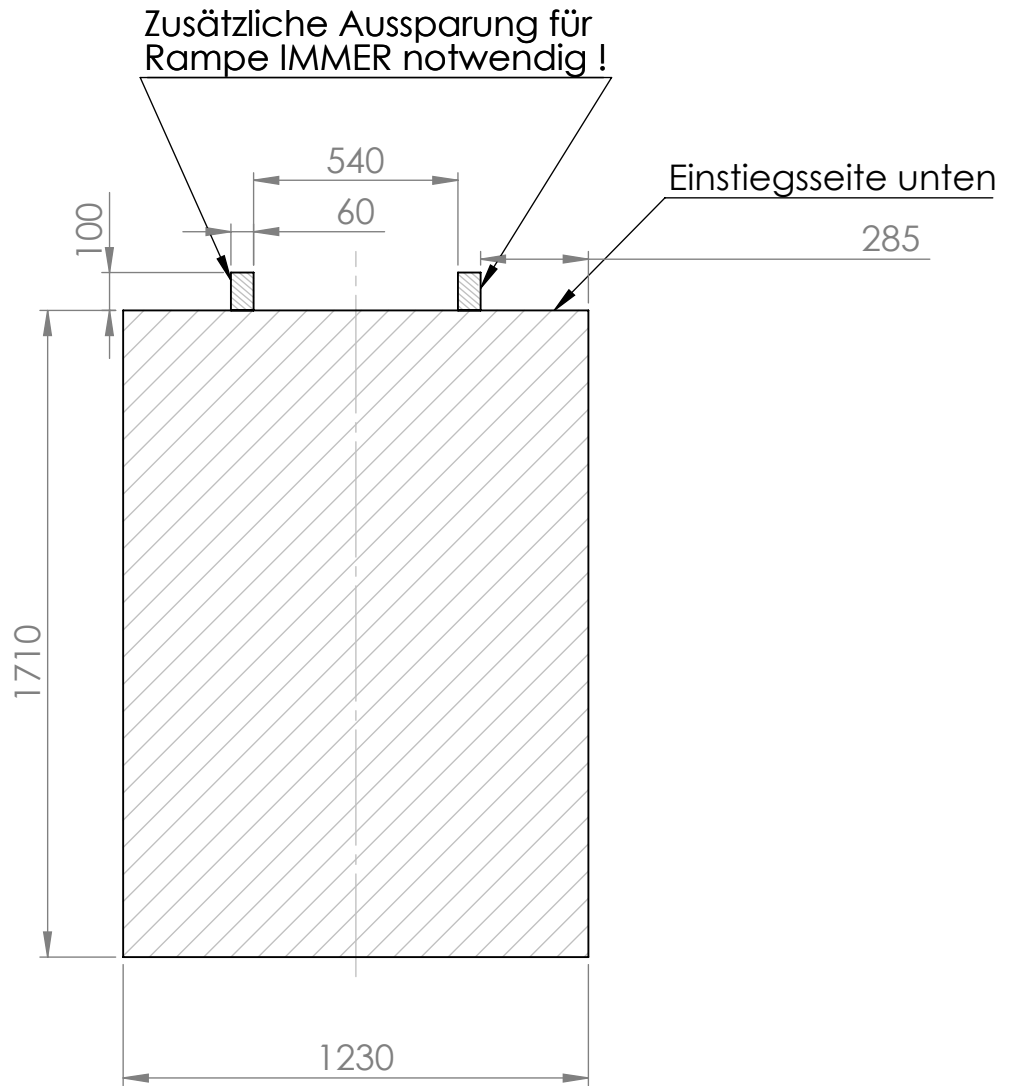


Pos: 14. nicht dargestellt

Alle Maßangaben sind ca. Angaben

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4	13	MB 1000-82-4	MBG Handgriff Oberseite	19	
2	12	MB 1000-79-4	MBG Handgriff Vorderseite	0.3	
1	11	MB 1000-78-3	Q.R. Tränenblech mit Befestig.	12.5	
1	10	MB 1000-21-3	Blechschräge	20.7	ZBL660
1	9	MB 1000-20-3	Blechschräge	20.7	ZBL665
1	8	MB 1000-09-3	Geländer Außenblech RE	13.4	ZBL690
1	7	MB 1000-09-3	Geländer Außenbl. m. Bohr. LI	13.3	ZBL695
1	6	MB 1000-08-3	Geländer Innenblech RE	12.6	ZBL680
1	5	MB 1000-08-3	Geländer Innenbl. m. Bohr. LI	12.6	ZBL685
1	4	MB 1000-07-2	MBG Auffahrrampe	9.2	
1	3	MB 1000-06-1 Bl-16	SBG Oberer Rahmen	32.1	
1	2	MB 1000-04-1	SBG Unterer Rahmen	419	
1	1	MB 1000-03-1 Bl-15	MBG Schere	0.0	

Allg. Toleranzen		DIN 7168 m C	DIN 8570 BF	DIN 6930 g	DIN 6935	DIN 2310 II B	DIN 2310 II D	Ursprung:	
		Längemaße	Schweißkonstruktionen	Stärken	Kalibriegen	Thermisches Schneiden	Flansche Schneiden		
				Oberfläche DIN ISO 1302		Maßstab 1:10	Masse(Gew.)	Art.Nr.	
		Tel.: 0261/29907-0 Fax: 0261/29907-34 99007-45 Email: info@herkules-lift.de www.herkules-lift.de		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug			
					Datum	Name	Benennung		
					Bearb.	12.01.2011	Schmelz	MB 1000 Rollstuhl-Lift	
					Gepr.	08.06.2011	Hühn	MB 1000	
					Hinweis: Diese Herkules-Liftung ist eine Baugruppe bestehend aus mehreren Einzelteilen, die separat bestellt werden müssen. Die Baugruppe ist nicht vollständig montiert. Alle Bauteile sind für die Montage, Gebrauch und Wartung der Liftung geeignet. Herkules Lifttechnik GmbH, Deutschland		Zeichnungsnummer	Status	Format A2
		b	AM-59_2011	03.06.2011	Schm	MB 1000-00-2		Freigegeben	Blatt 1
		Zust.	Änderung	Datum	Name	Ers. für		Ers. d.	von



Grubentiefe mindestens 55mm für ebenerdigen Zugang

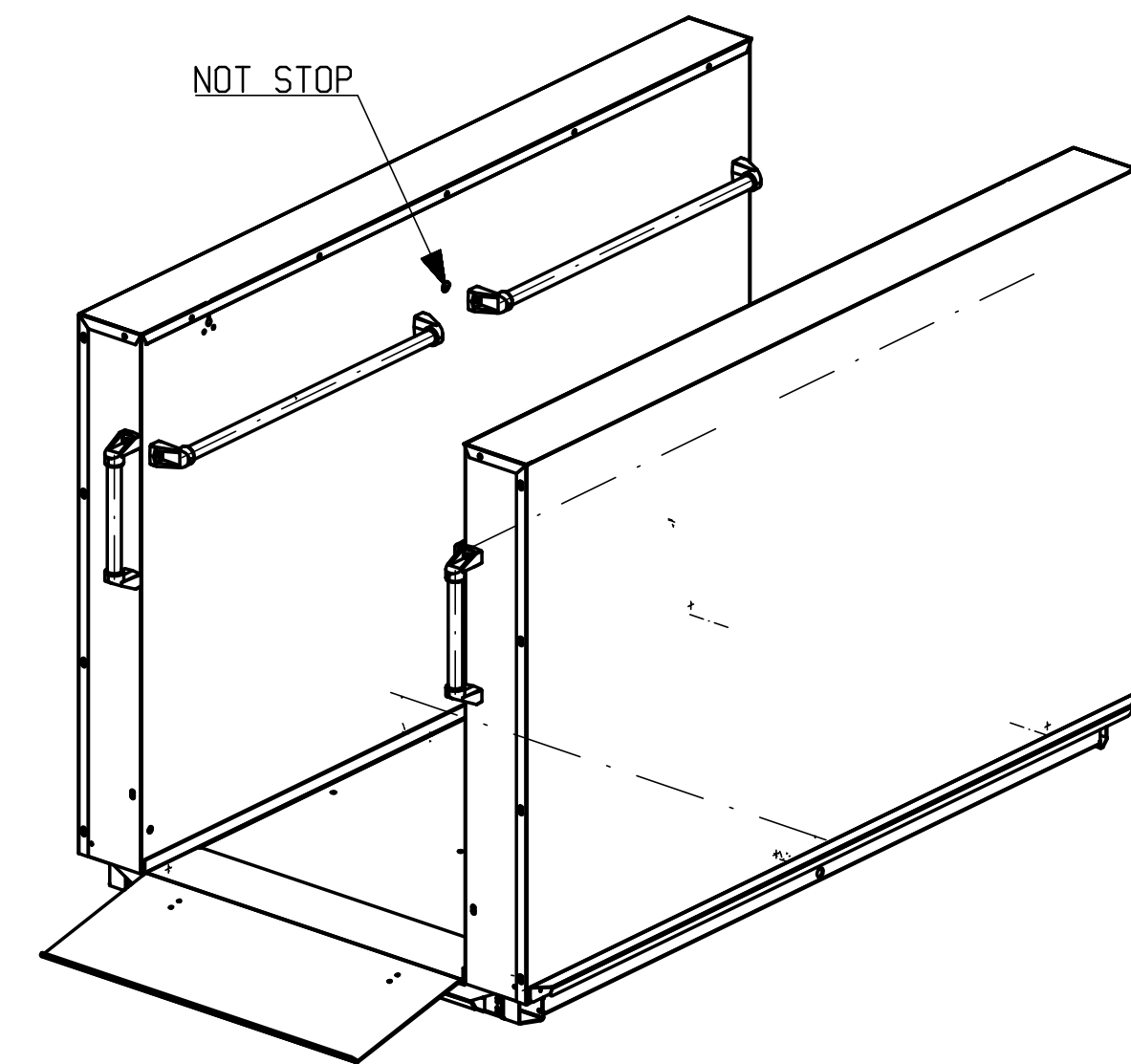
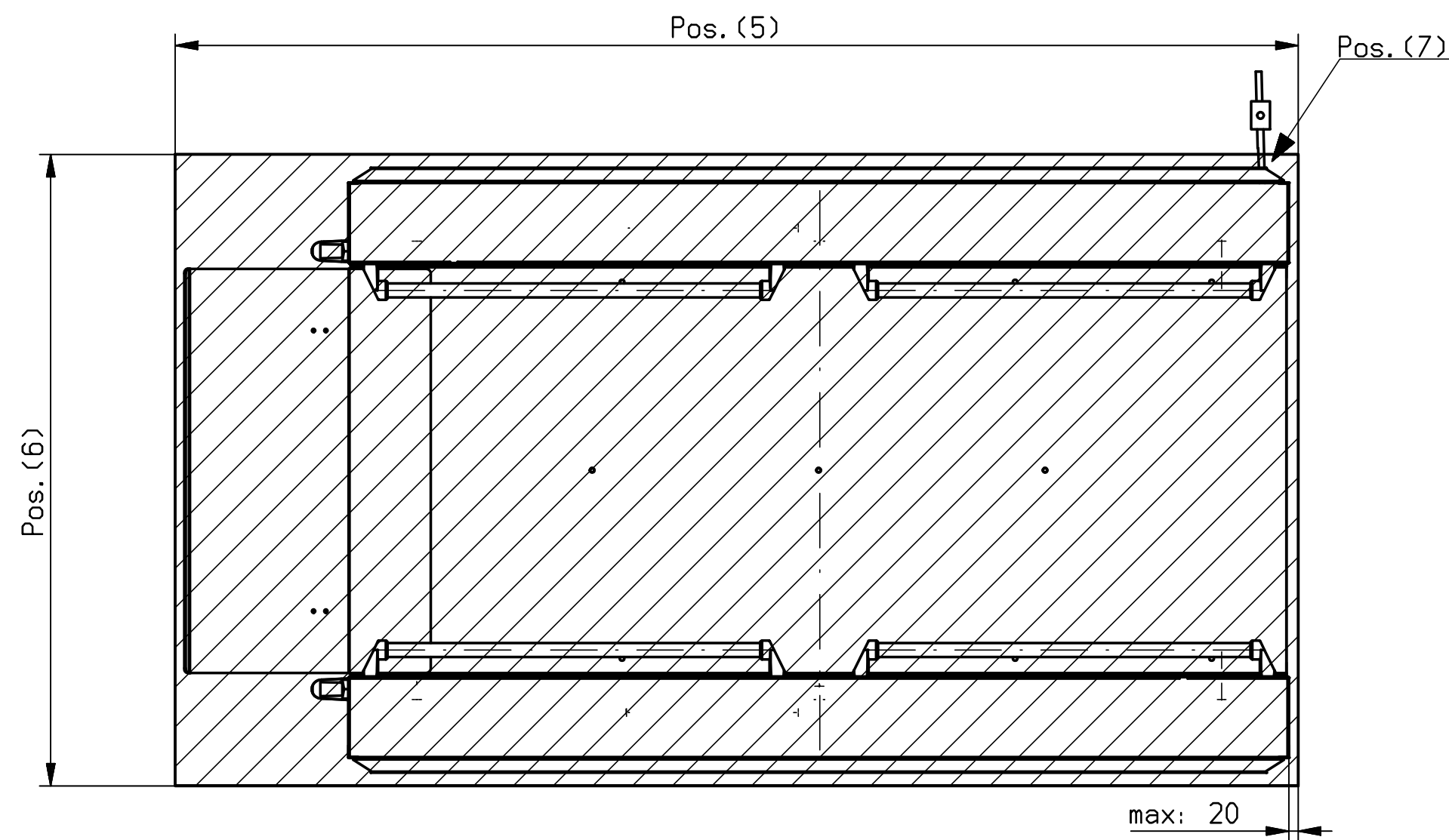
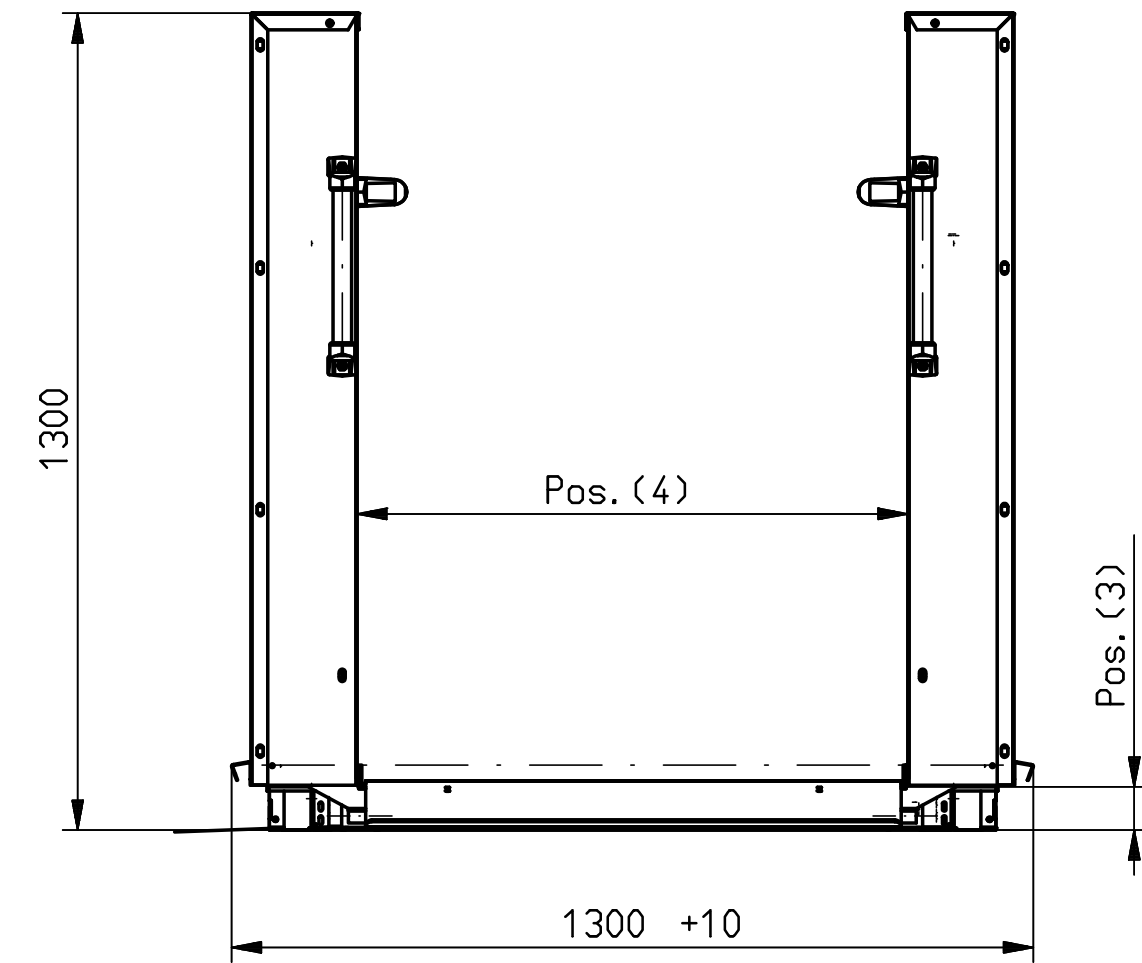
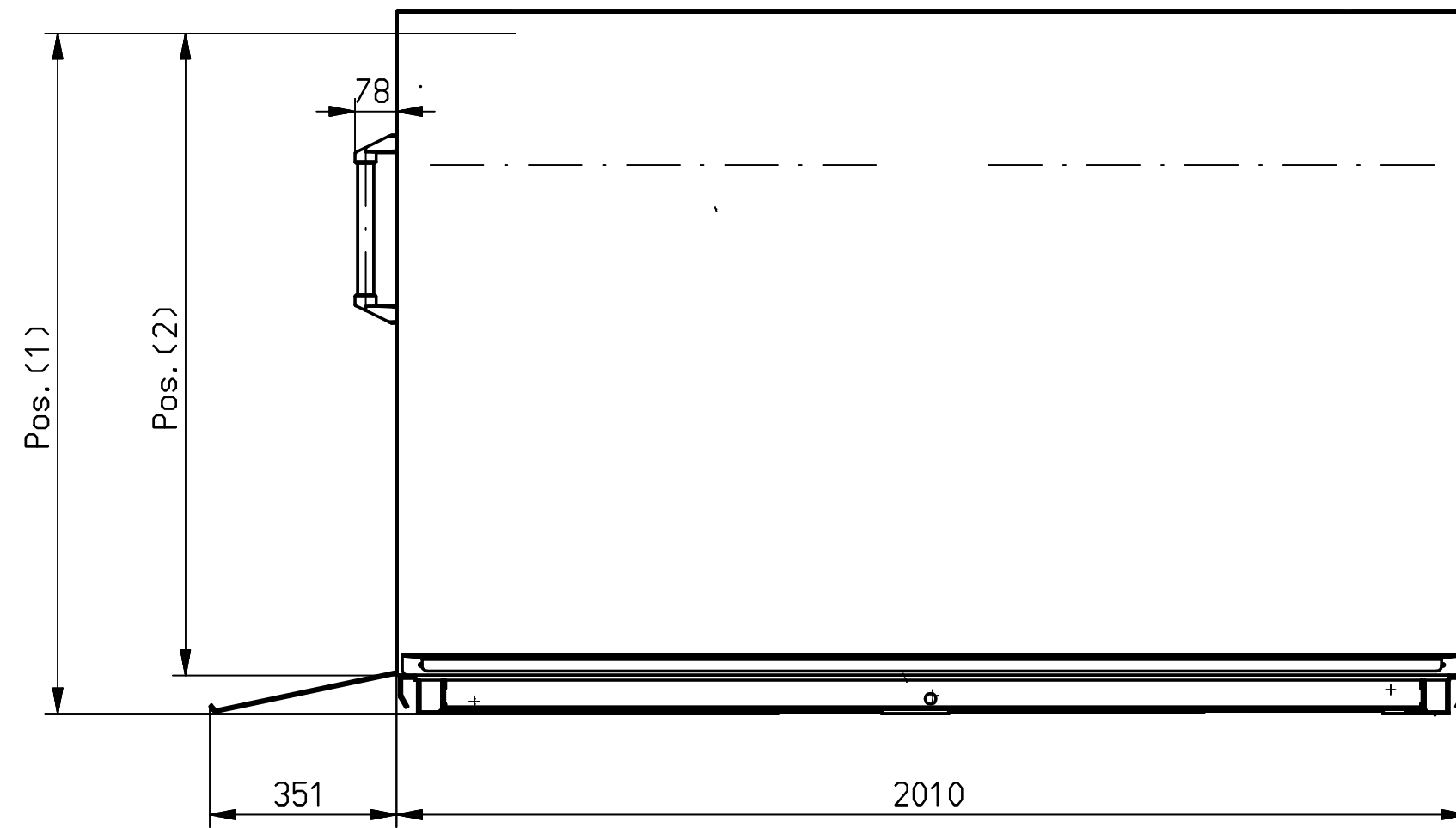
Breite der Grube gilt im öffentlichen Bereich nur, wenn seitlich kein Zugang zur Grube besteht. Bei seitlichem Zugang sind pro zugänglicher Seite weitere 10 cm Grubenbreite vorzusehen

Elektroanschluß idealerweise links hinten (Von unteren Einstieg aus gesehen). Alternativ kann der Stromanschluss aus dem Boden kommen, um kein Kabel zu sehen

Bei Verwendung einer Tür als Absturzschutz der oberen Haltestelle empfehlen wir, Leerrohr von der Tür von unten zur Bühne zu führen, um keine Kabel zusehen


Bei Verwendung von Aussenrufen empfehlen wir Leerrohr von den Aussenrufen von unten zur Bühne zu führen, um keine Kabel zusehen

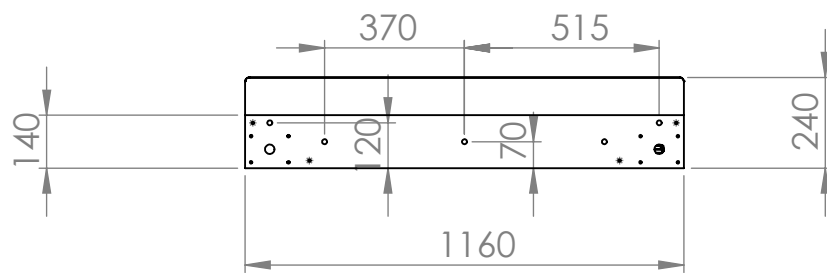
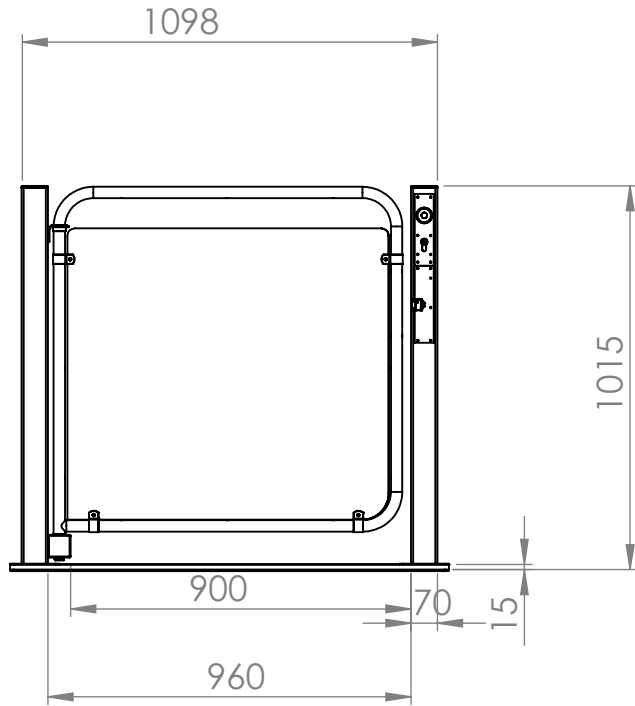
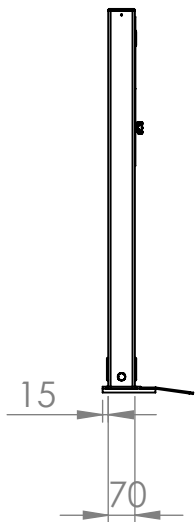
WENN NICHT ANDERS DEFINIERT: BEMASSUNGEN SIND IN MILLIMETER OBERFLÄCHENBESCHAFFENHEIT: TOLERANZEN: LINEAR: WINKEL:		OBERFLÄCHENGÜTE:		ENTGRATEN UND SCHARFE KANTEN BRECHEN		ZEICHNUNG NICHT SKALIEREN		ÄNDERUNG	
GEZEICHNET	NAME	SIGNATUR	DATUM			BENENNUNG:			
GEPRÜFT	Bartsch		12.2.16	A		Grubenplan MB 1000			
GENEHMIGT									
PRODUKTION						ZEICHNUNGSNR.			
QUALITÄT				WERKSTOFF:		Maßblatt Grube MB 1000			
						A4			
				GEWICHT:		MASSSTAB: 1:50		BLATT 1 VON 1	



Gesamte Breite mit Transportrollen 1450
 Alle Maßangaben in (mm)

- Pos. (7) Netzanschluss 230V mit NOT STOP
- Pos. (6) Fundament 1350
- Pos. (5) Fundament 2400
- Pos. (4) Innenmaß 900
- Pos. (3) Plattformhöhe 70
- Pos. (2) Hubhöhe 1205
- Pos. (1) Gesamt-Hubhöhe 1275

Allg. Toleranzen							
DIN 7168 m C Längswerte	DIN 8570 BF Schweißkonstruktionen	DIN 6930 g Stanzen	DIN 6935 Kalibiegen	DIN 2310 II B Thermisches Schneiden	DIN 2310 II D Plasma Schneiden	Ursprung:	
 <small>Tel.: 0561/58907-0 Fax: 0561/58907-34 58907-45 Email: info@herkules-lift.de www.herkules-lift.de</small>		Oberfläche DIN ISO 1302		Maßstab 1:12	Masse(Gew.)	Art.Nr.	
		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug			
		Datum	Name	Benennung			
		Bearb.	07.12.2011	Schmelz	Maßblatt		
		Gepr.			MB 1300		
<small>Weitergabe sowie Herstellen dieses Dokuments, Vervielfältigung und Mitteilung seines Inhaltes sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlung verpflichtet zu Schadensersatz. Alle Rechte für den Fall der Patent-, Schutzmarke- und Geschäftsgeheimnisverletzung vorbehalten. Herkules Hebe-technik GmbH, Kassel, Deutschland</small>				Zeichnungsnummer		Status	Format A2
				MB 1300-100-2		In Arbeit	
Zust.	Änderung	Datum	Name	Ers. für	Ers.d.		



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		15.4.14		
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

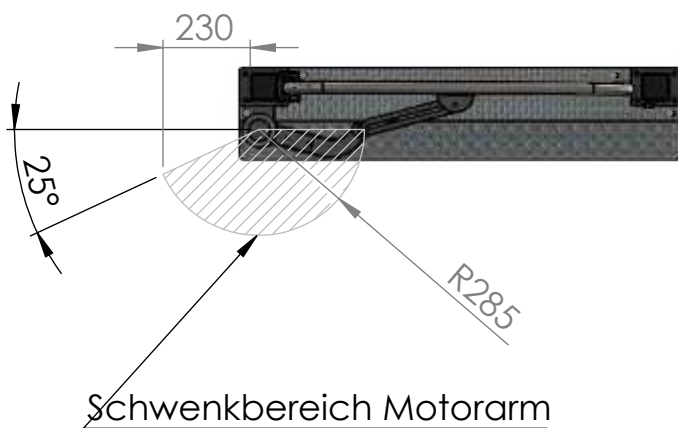
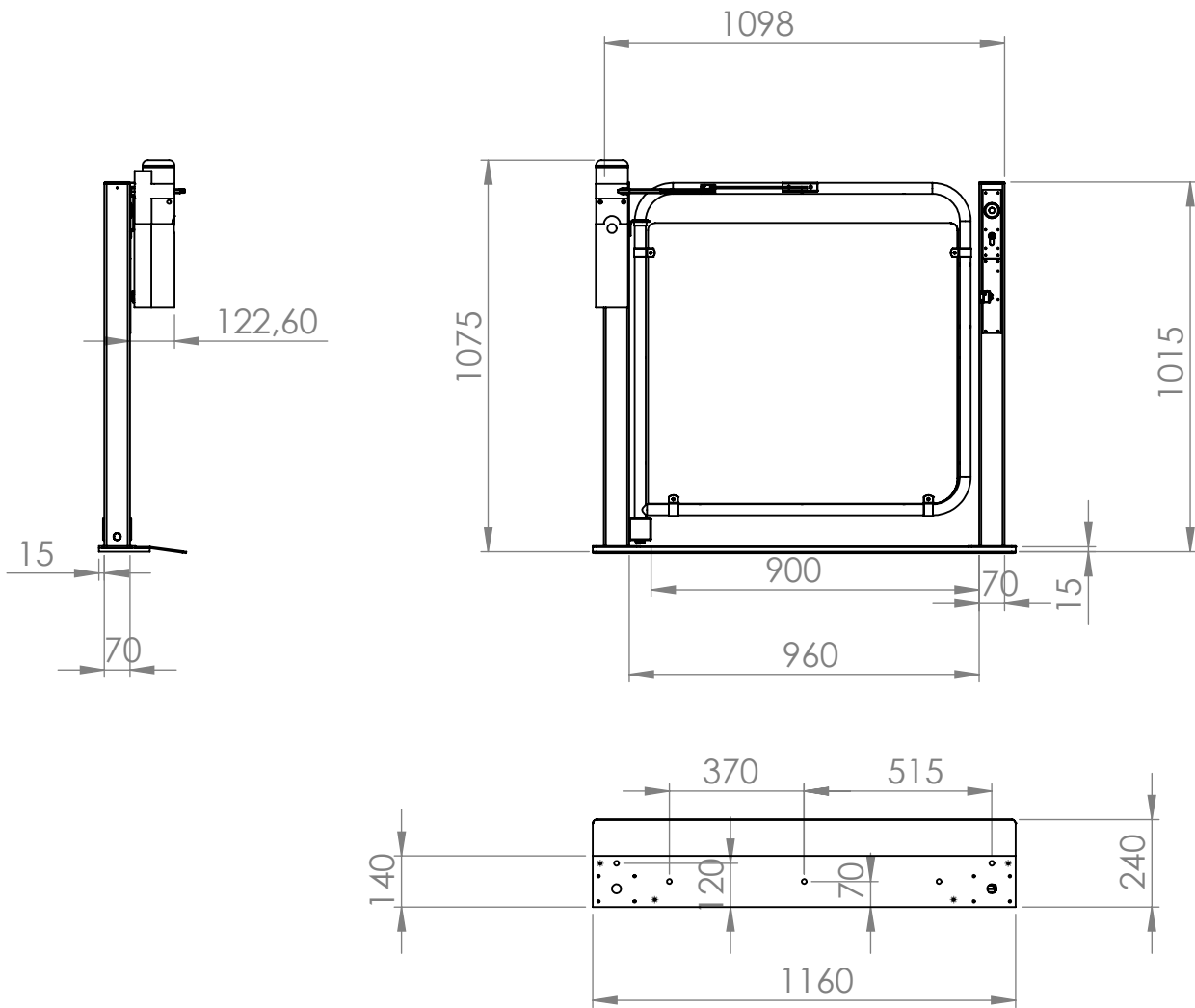
BENENNUNG:

ZEICHNUNGSNR.
ZSB MB Tür standard

A4

MASSSTAB: 1:20

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



BENENNUNG:

	NAME	SIGNATUR	DATUM
GEZEICHNET	Bartsch		15.4.14
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			

WERKSTOFF:

ZEICHNUNGSNR.

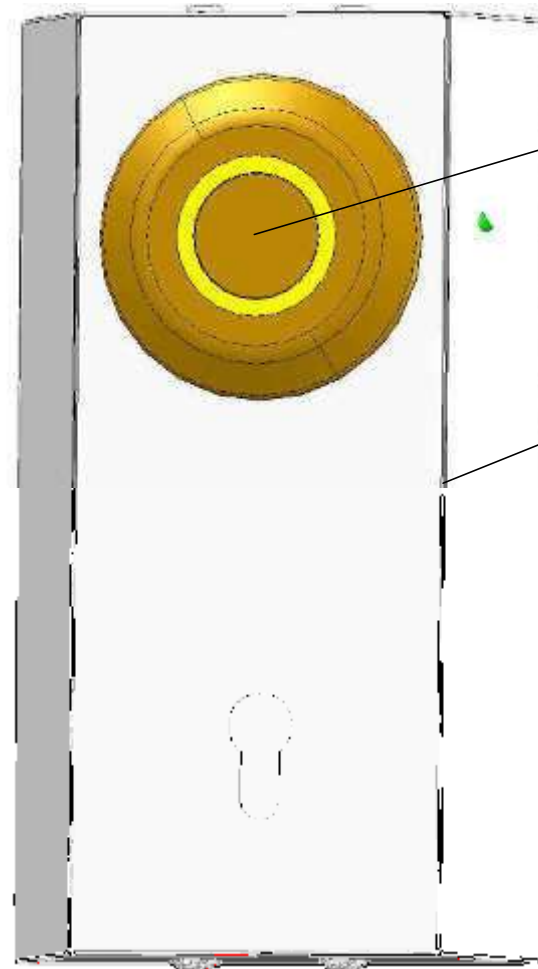
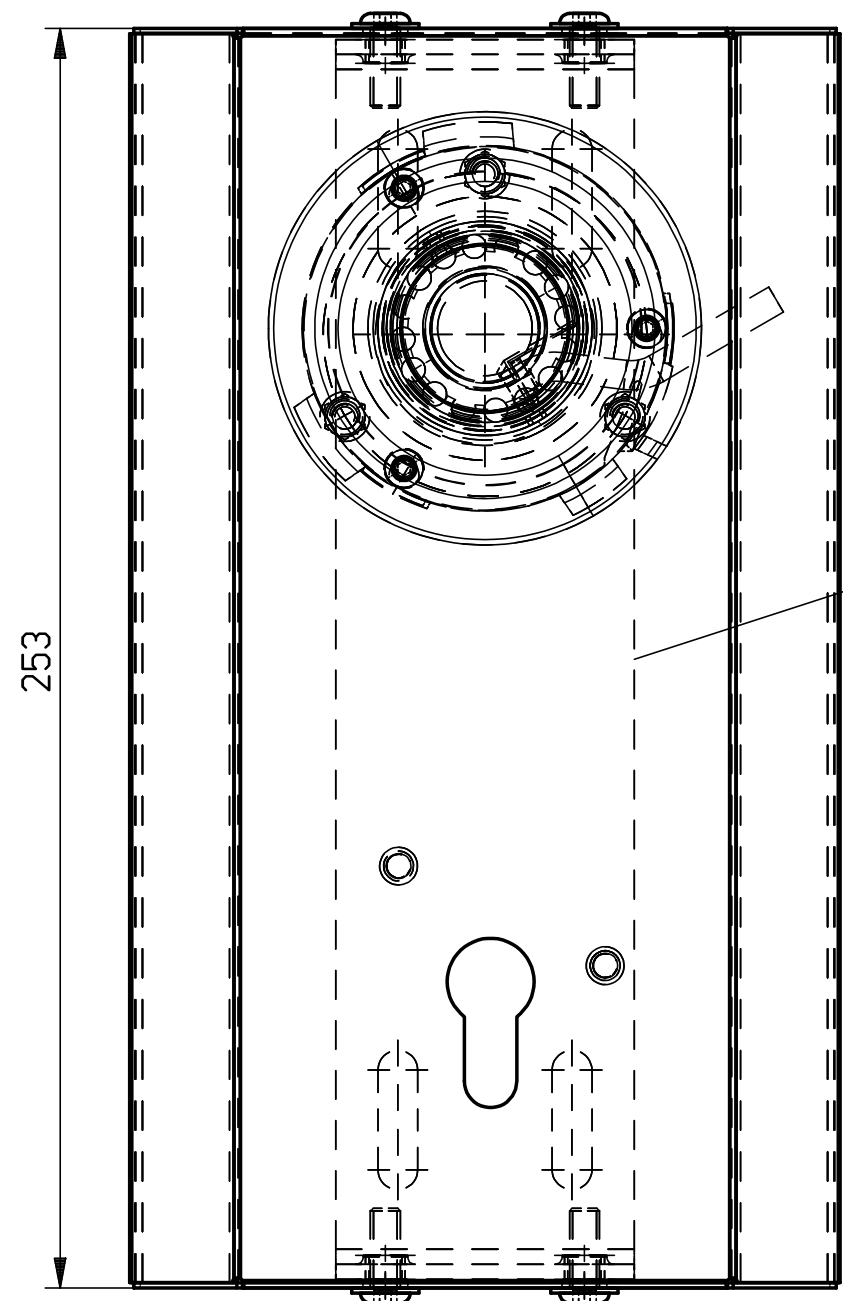
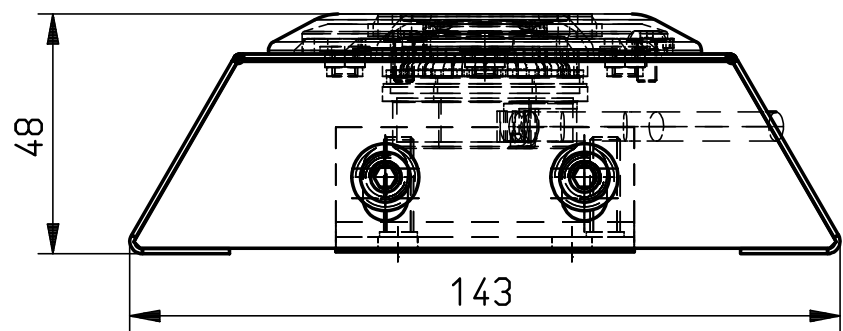
ZSB MB Tür mit Türantrieb

A4

GEWICHT:

MASSSTAB: 1:20


BLATT 1 VON 1



HPL_0010_701_012 2

550-006 5

Menge	Pos.	Zeichnungsnr.	Benennung	Länge	Werkstoff	Gewicht	Art.Nr.
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1	4	HPL_0100_900_510	MBG Schließelement	0.00		0.1	
1	3	HPL-0010-701-014	SBG Aufputzgehäuse	0.00		0.0	
1	2	HPL_0010_701_012	SBG Halter Aufputzge. Schl-Tas	0.00		0.4	
1	1	801-526	EAO Taster Serie 56 (801-526)	0.00		0.0	801-526

Allg. Toleranzen						
DIN 7168 m C Längenmaße	DIN 8570 BF Schweißkonstruktionen	DIN 6930 g Slanzen	DIN 6935 Kalibiegen	DIN 2310 II B Thermisches Schneiden	DIN 2310 II D Plasma Schneiden	Ursprung:
 Tel. 0561/58907-0 Fax: 0561/58907-34 58907-45 Email: info@herkules-lift.de www.herkules-lift.de		Oberfläche DIN ISO 1302		Maßstab 1:1.5	Masse(Gew.)	Art.Nr. HPL-0010-701-010
		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug		
			Datum	Name	Benennung	
		Bearb.	15.04.2010	Hühn	MBG Aufputzgehäuse	
		Gepr.	16.04.2010	Schönebach	HPL_0010	
a	AM 34/2010	02.07.2010	Hühn	Zeichnungsnummer HPL-0010-701-010		Status In Arbeit
Zust.	Änderung	Datum	Name	Ers. für		Format Blatt von
				Ers.d.		

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HERKULES Hebeltechnik GmbH, Kassel, Deutschland













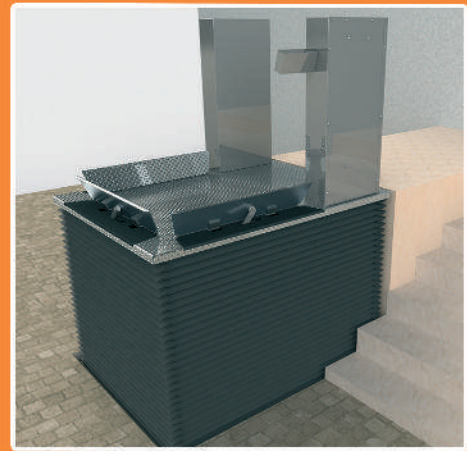




MB1100 - flush ground-level installation

Thanks to its large turning surface, the MB1100 has a platform open on both ends or a corner access. Due to the fact that it is mounted flush with the ground and the use of an optional folding ramp, it can be entered from up to 3 sides at the same time.

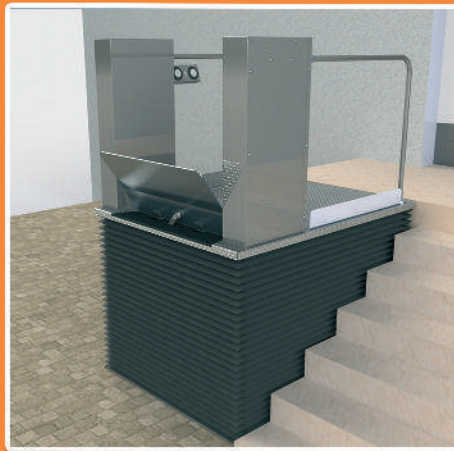
Passage width: 90 cm
Outer dimensions: 128 x 163 cm



MB1100 - straight passage

The standard MB1100 is a lift which is open at both ends. An all-round folding bellow works as underrun protection element lending this lift a more subtle appearance when lowered.

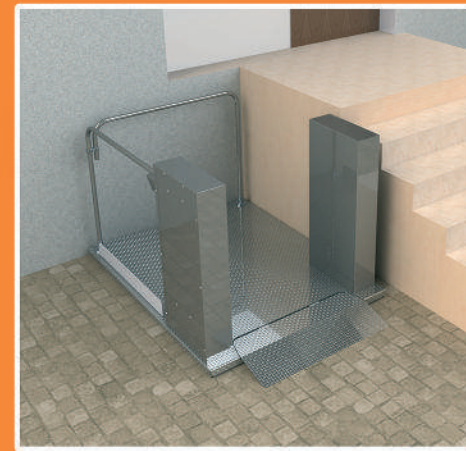
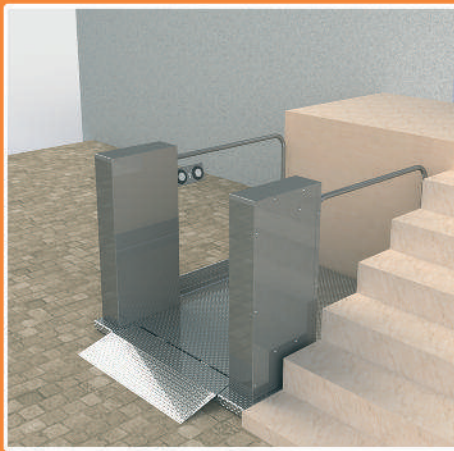
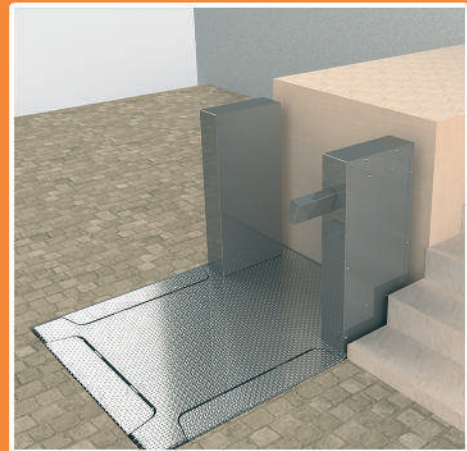
Passage width: 90 cm
Outer dimensions: 128 x 163 cm



MB1100 - variant with corner access

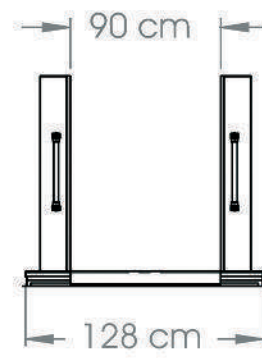
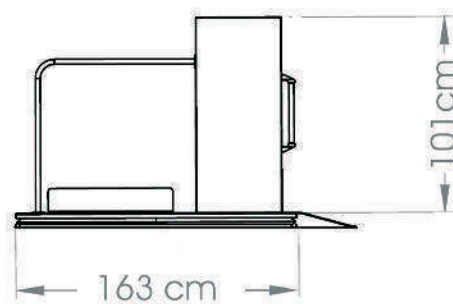
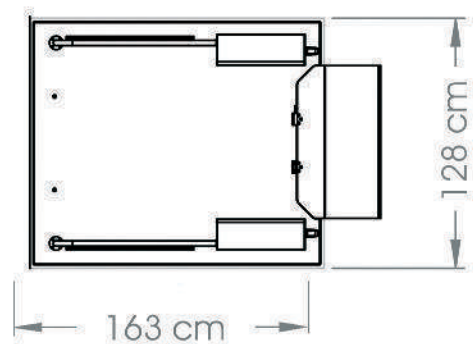
Thanks to its design, the Herkules MB1100 also allows access via the corner. If necessary, the lift is turned and the user can exit diagonally on the left or right thanks to the large turning surface on the platform.

Passage width: 90 cm
Outer dimensions: 128 x 163 cm



LIFT MB1100

FLEXIBLE CORNER LIFT



Wheelchair lifting platform MB1100

Lift with corner access and 1,10 m lifting height

With the MB1100 lift, you have various models to create access to buildings in very tight spaces – either as open-ended or corner entrance lift platform. The maximum lifting height of 110 cm bridges up to six or more steps into and next to the building.

Thanks to the flat scissor-lift system and the proven spindle drive technology, the system can be installed directly onto horizontal ground or even into the ground if necessary. With the optional automatic folding ramps, the lift can be installed almost invisibly into the ground thus creating more space.

The all-round folding bellow offers a free 360° view – at any height! Standing persons can also use the platform safely thanks to the optional railing.

The MB1100 is resistant to cold, heat and rain. One of its outstanding features is its operating reliability. This makes the MB1100 the right choice for indoors or outdoors, whether in the stormy and salty environment in the north or in frosty weather in the south.

The most important thing though is how easy it is to operate. The control elements are located centrally on a hand control unit. A flexible spiral cable connects it to the electronics of the MB1100. Want even more convenience? You can also control the lift via a remote control or our Bluetooth-based app on your smartphone.



Lifting height up to 110 cm
Four steps



Corner access & straight access
platform possible



300 kg loading capacity,
also suitable for heavy wheelchairs



Pit depth up max. 60 cm



Speed 2.5 cm/s



Suitable for indoors or outdoors,
only 230V required



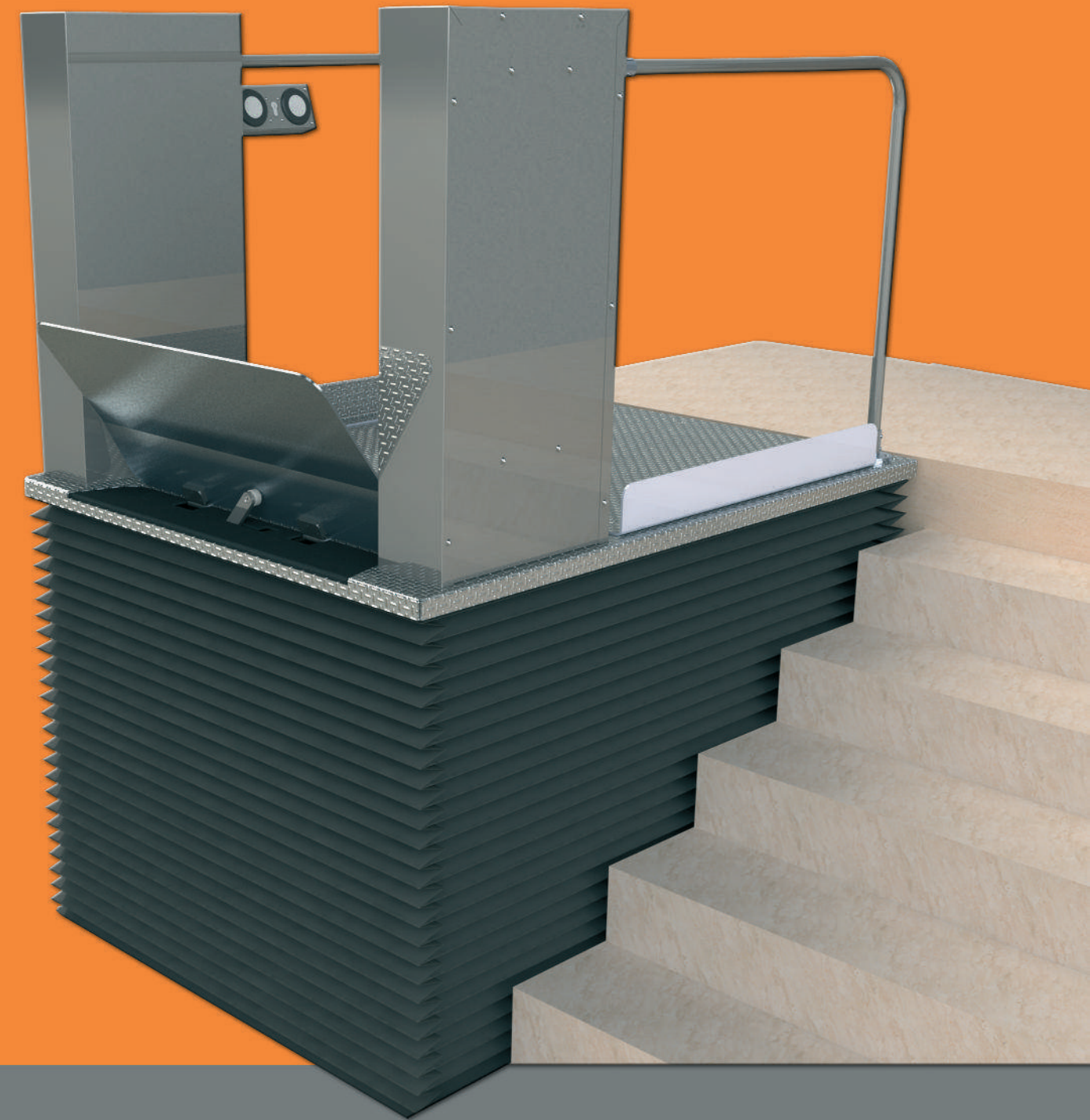
Can be operated via remote
control or a smartphone app
(Bluetooth)



CE-conform acc. to Machinery
Directive 2006/42/EC



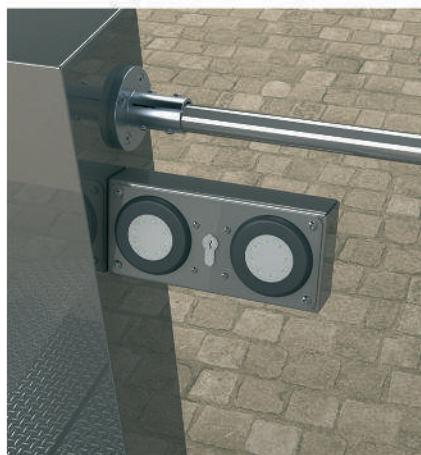
100% made in Germany



Standard operation: hand control unit on a spiral cable with UP/DOWN button



Optional control panel in the railing with sensor buttons



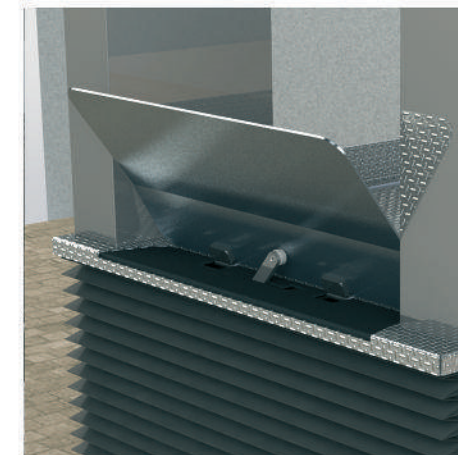
Can also be operated via Bluetooth and a smartphone app



Flush installation in a 60 mm deep pit. One great variant of the MB1100

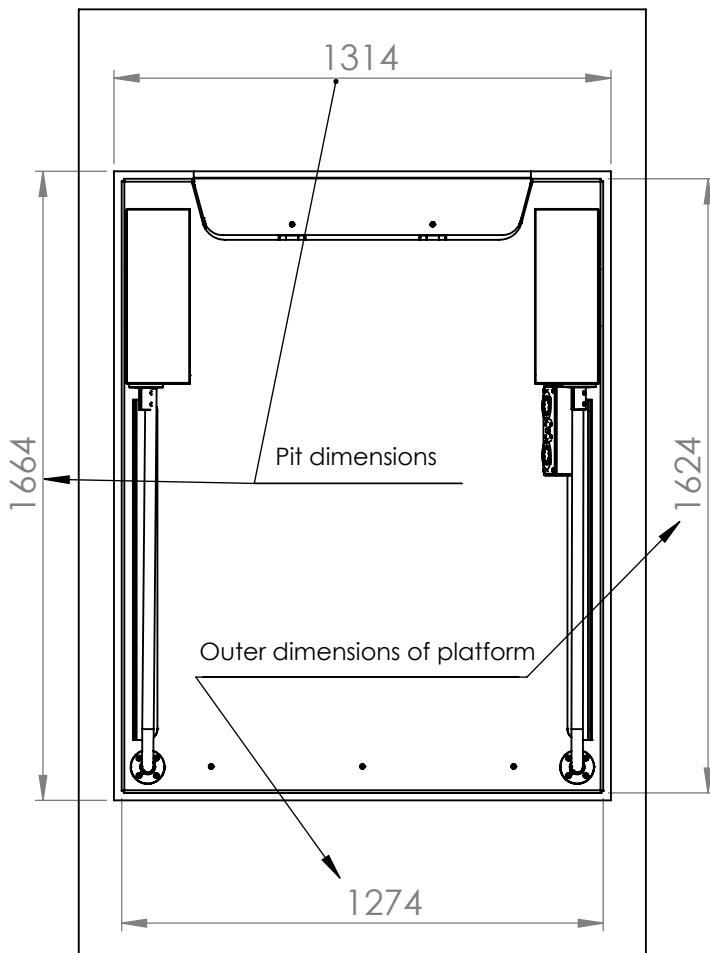
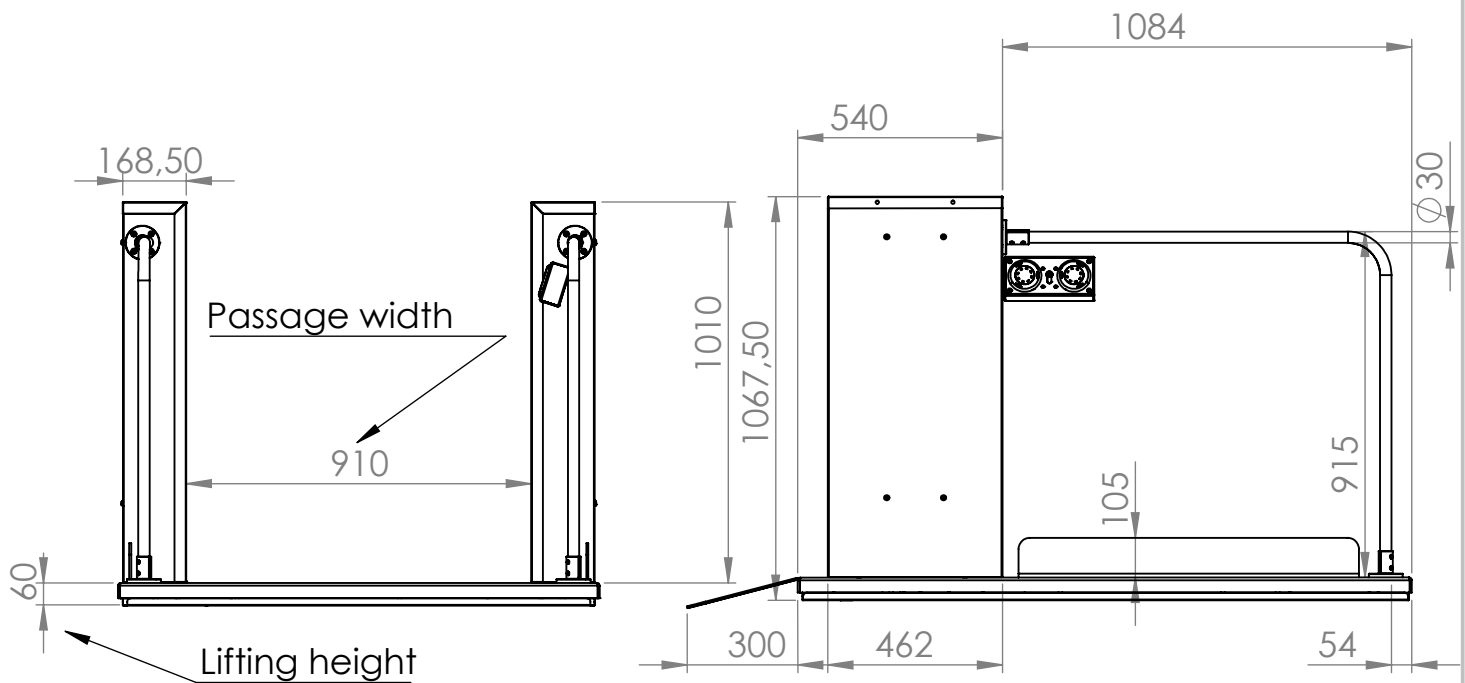


Access ramp also acts as a wheel stop for the wheelchair user



Minimum ramp height of 60 mm, can also be installed into the ground



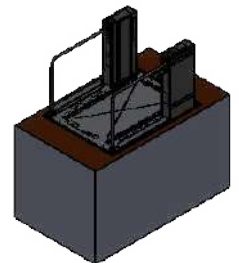


Lifting height 1100 mm
 Optional pit depth 60 mm
 The ground on which the MB1100 is installed must be flat and horizontal.
 The surface load is max. 4 kN/m²
 Power supply: 230 V/50Hz, 16 A
 Maximum power consumption 0.25 kW
 Lifting speed: approx. 2,5 cm/s

Maximum gap width between the platform and the upper exit: 20 mm
 Safety clearances to other parts (e.g. railing): > 100 mm

In the standard model, the entrance is between the motors.
 Access/exit from all sides (special order up to 3 ramps)

Depending on the actual lifting height and the installation situation, fall protection should be installed at the upper station. We recommend our MB door.



WENN NICHT ANDERS DEFINIERT:
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 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



BENENNUNG:

Dimensions sheet MB1100

ZEICHNUNGSNR.

Massblatt MB 1100 Alle Varianten)

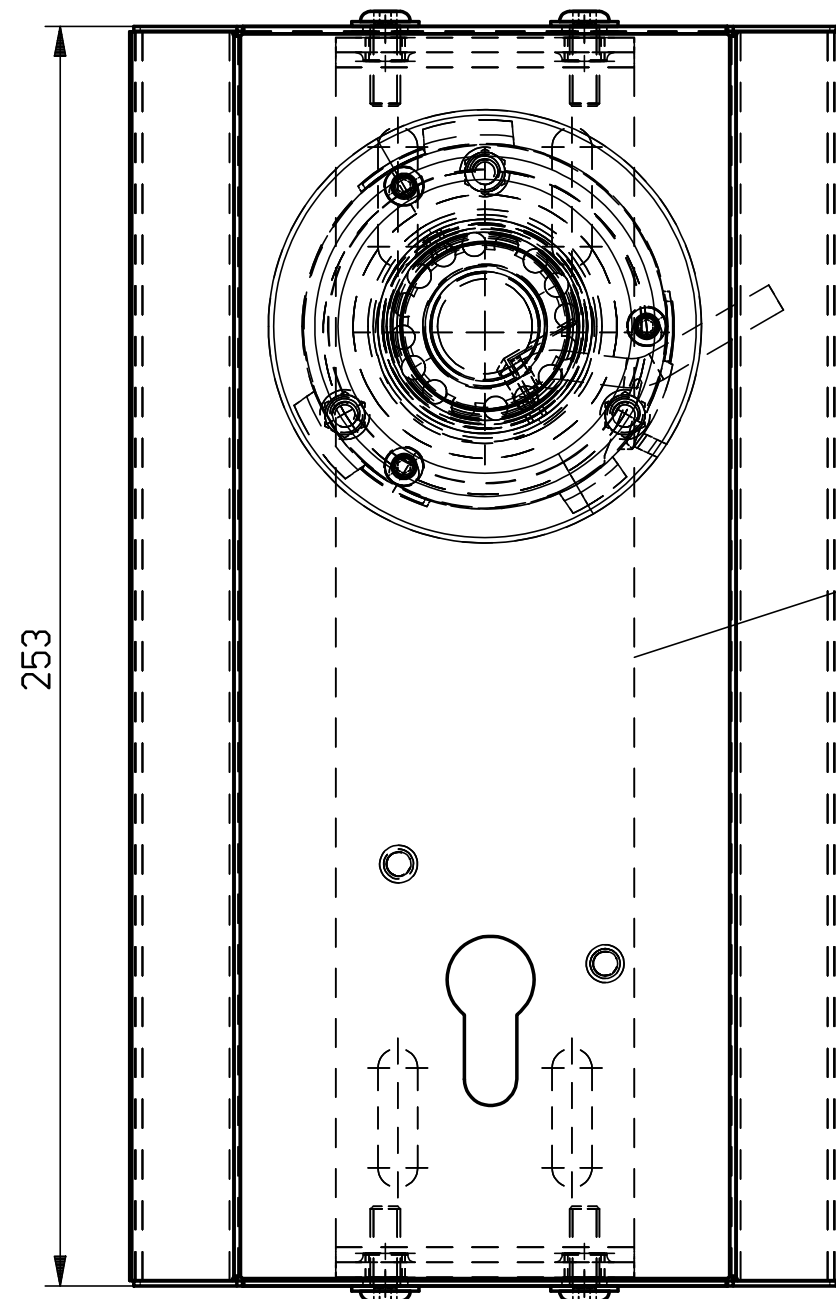
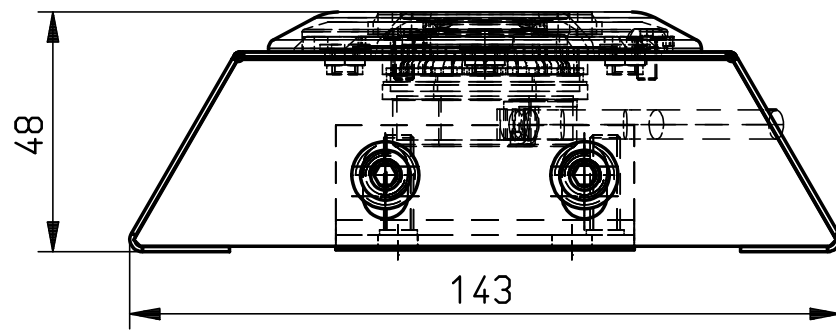
A4

GEWICHT:

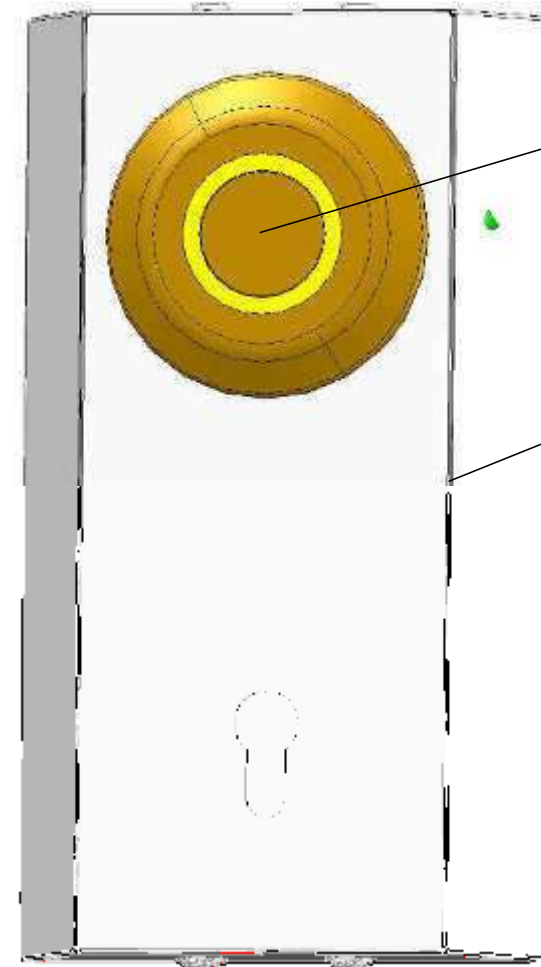
MASSSTAB: 1:50

BLATT 1 VON 1

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GEZEICHNET Bartsch		5.10.16	B
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			
		WERKSTOFF:	



HPL_0010_701_012 2



801-526 1

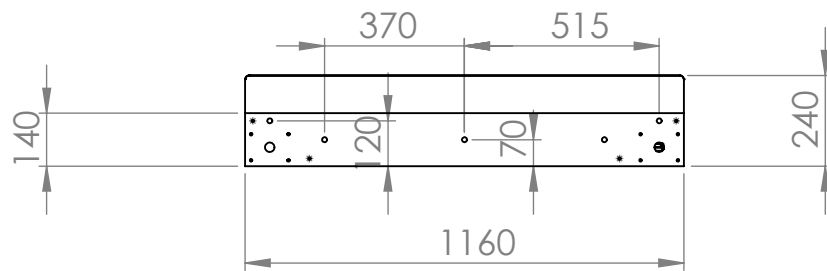
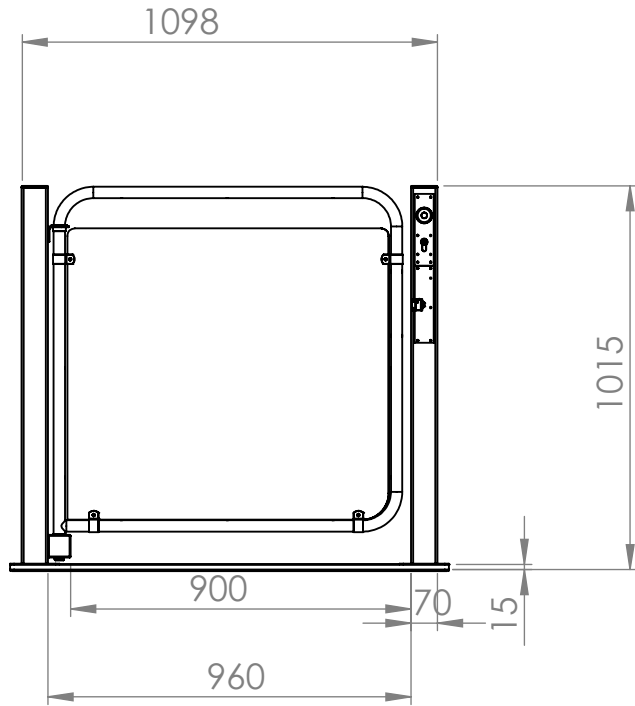
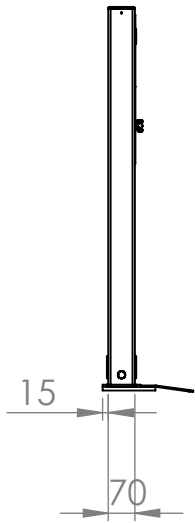
HPL-0010-701-014 3

550-006 5

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1	4	HPL_0100_900_510	MBG Schließelement	0.00		0.1	
1	3	HPL-0010-701-014	SBG Aufputzgehäuse	0.00		0.0	
1	2	HPL_0010_701_012	SBG Halter Aufputzge. Schl-Tas	0.00		0.4	
1	1	801-526	EA0 Taster Serie 56 (801-526)	0.00		0.0	801-526

Allg. Toleranzen						
DIN 7168 m C <i>Längenmaße</i>	DIN 8570 BF <i>Schweißkonstruktionen</i>	DIN 6930 g <i>Slanzen</i>	DIN 6935 <i>Kaltbiegen</i>	DIN 2310 II B <i>Thermisches Schneiden</i>	DIN 2310 II D <i>Plasma Schneiden</i>	Ursprung:
 Tel. 0561/58907-0 Fax: 0561/58907-34 58907-45 Email: info@herkules-lift.de www.herkules-lift.de		Oberfläche DIN ISO 1302		Maßstab 1:1.5	Masse(Gew.) 0	Art.Nr. HPL-0010-701-010
		Schutzvermerk nach DIN 34 beachten		Werkstoff, Halbzeug		
			Datum	Name	Benennung	
		Bearb.	15.04.2010	Hühn	MBG Aufputzgehäuse	
		Gepr.	16.04.2010	Schönebach	HPL_0010	
a	AM 34/2010	02.07.2010	Hühn	Zeichnungsnummer HPL-0010-701-010		Status In Arbeit
Zust.	Änderung	Datum	Name	Ers.für		Format Blatt von
				Ers.d.		

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Herkules Hebeltechnik GmbH, Kassel, Deutschland



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BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		15.4.14		
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

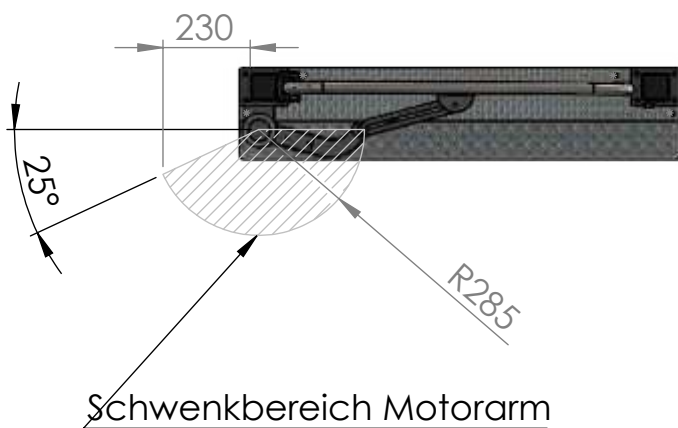
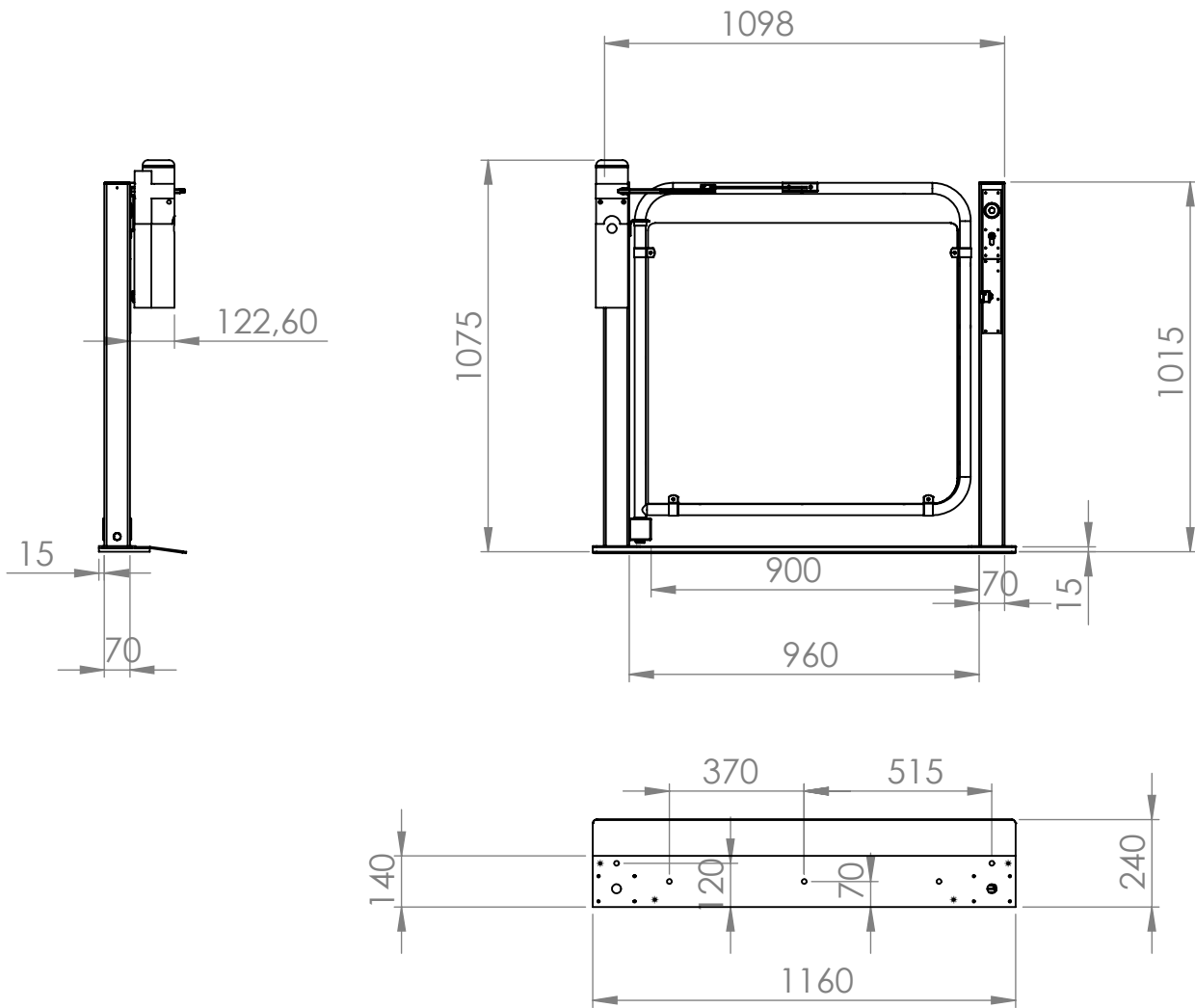
BENENNUNG:

ZEICHNUNGSNR.
ZSB MB Tür standard

A4

MASSSTAB: 1:20

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM
GEZEICHNET	Bartsch		15.4.14
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			

WERKSTOFF:

GEWICHT:

BENENNUNG:

ZEICHNUNGSNR.

ZSB MB Tür mit Türantrieb

A4

MASSSTAB: 1:20

BLATT 1 VON 1







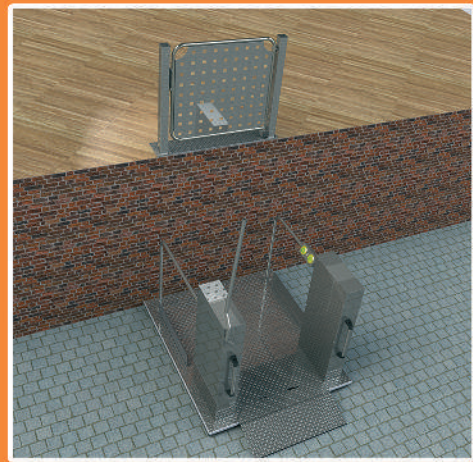








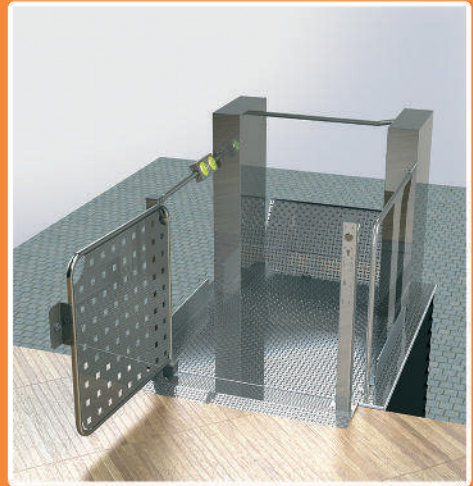
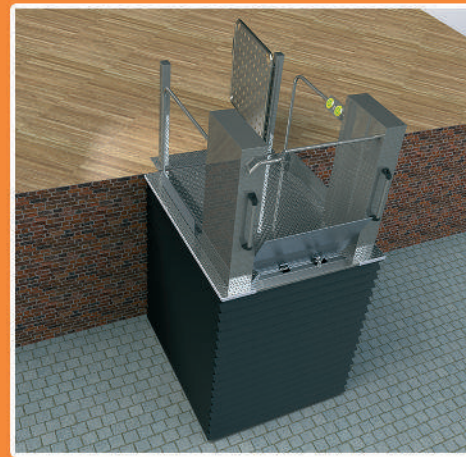




Easy to install.

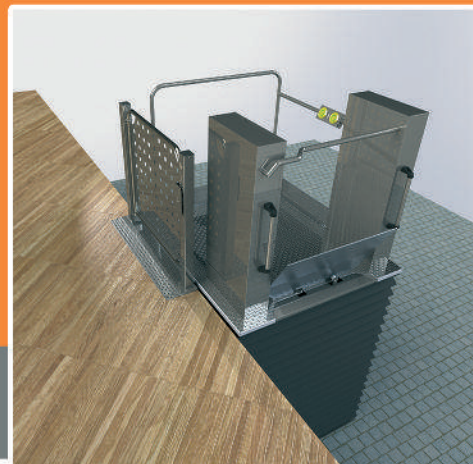
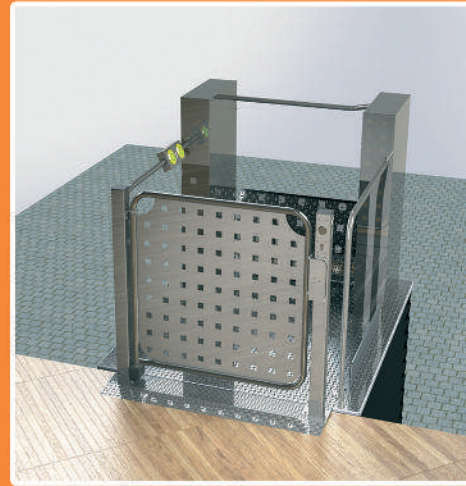
All you need to install the MB1800 lift is a horizontal area and a power socket close by. The outer dimensions of 143 x 170 cm with a passage width of 90 x 170 cm allow use by wheelchairs.

Alternatively the lift can be put into a 10 cm deep pit to have a flush installation.



Safety.

The optional door for the upper exit is attached to the edge of the platform and is connected to the lift. It only opens when the lift docks at the upper station. Optionally, the door comes with an automatic door drive for more comfort.



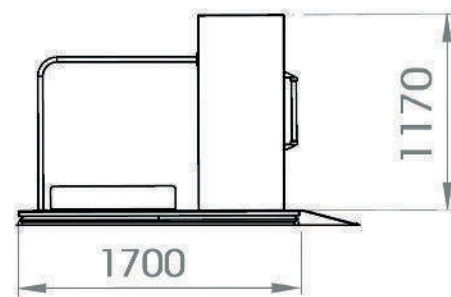
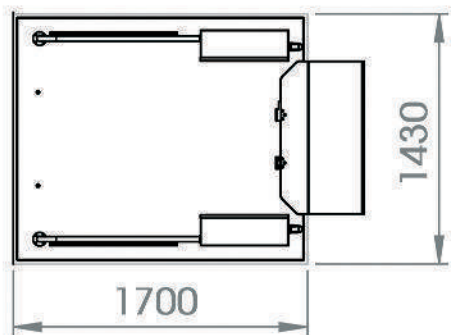
Flexibility.

Platform with open ends on both sides or corner access: The MB1800 allows both options. This means it can be installed even in the smallest of niches to allow easy access to the building.



LIFT MB1800

MAXIMUM FLEXIBILITY



Lift MB1800

Corner access lift with maximum lifting height.

The lift MB1800 creates a barrier-free access into the building in a few simple steps. Thanks to the adjustable lifting height of up to 179 cm, you can even reach high balconies, landings and split levels. All you need is a flat area and a 230V power supply close by. Depending on the location, the MB1800 lift can be installed with two open ends or as a corner solution. This flexibility allows you to decide how you want to integrate the MB1800 into your building.

Thanks to the high-quality materials used, the MB1800 is perfect for installation outdoors. It is resistant to rain, cold and heat, and is also extremely durable and reliable. It can of course also make use of all its advantages when installed indoors. A high-quality all-round folding bellow seals off the drive equipment which is installed invisibly inside the lift.

Thanks to the high loading capacity of 350 kg and the platform size of 90 x 170 cm, users of heavy wheelchairs or electrical scooters can also be lifted easily as well as an accompanying person.

The low installation height of just 10 cm is bridged by the automatic ramp that also acts as a roll-off safety feature. Alternatively, the lift can also be installed into the ground – it's your choice. In addition, the platform can be secured by an automatic barrier on the lower stage to ensure that all standing users feel safe – this function is assumed by an optional stainless steel door at the upper station.

The MB1800 lift makes wheelchair access possible in the most difficult situations quickly and simply.

-  Lifting height up to 179 cm
-  Corner access & straight access platform possible
-  350 kg loading capacity, also suitable for heavy wheelchairs
-  Pit depth max. 100 mm
-  Speed 2.5 cm/s
-  Suitable for indoors or outdoors, only 230V required
-  Can be operated via remote control or a smartphone app (Bluetooth)
-  CE-conform acc. to Machinery Directive 2006/42/EC
-  100% made in Germany



Picture shows MB1800 with optional railing, control panel, door upper stage and corner access.

Subtle design – the open platform of the MB1800



Control panel with UP/DOWN buttons
Optional key switch / Euro key



Flush mounted installation possible – or the ramp bridges the drive-on height



The ramp also acts as a roll-off safety element for wheelchairs

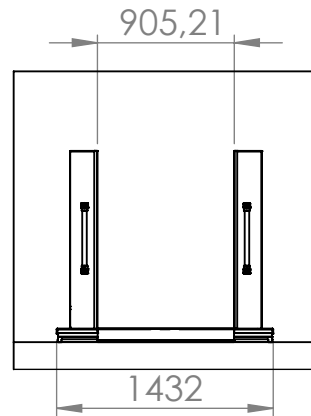
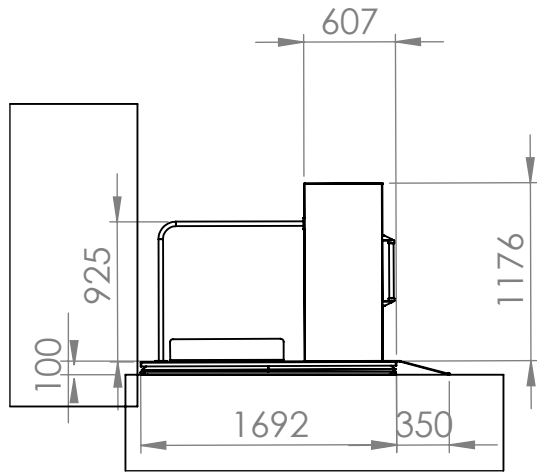


The side panels secure the wheelchair
The railing secures standing persons



Automatic barrier as an optional protection element for the lower station

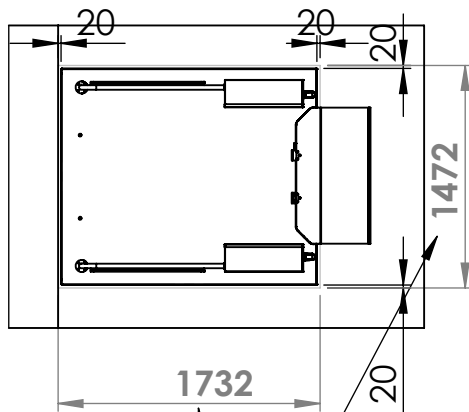




Maximum lifting height:
 If installed on the floor: 1790 mm
 If installed in a 100 mm deep pit: 1690 mm

The installation ground has to be plain and horizontal to every side.
 The wing loading is a maximum of 5 kN / m².
 Power supply: 230 V / 50 Hz, 16 A
 Maximum current consumption: 0.3 kW
 Lifting speed: 2.5 cm/s

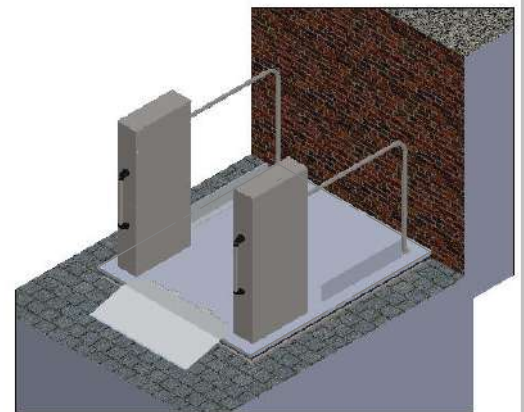
Pit depth 100 mm



Pit dimensions

Safety distances to other components in addition to the MB1800: > 100 mm
 Maximum gap width between MB1800 and upper exit: 20 mm

In the standard version of the lift, the entrance is located (below) on the motor side. Other versions are possible, but have to be ordered separately.
 The MB1800 can be used both with a drive-trough exit or with an angled (diagonal) exit.
 Depending on the actual lifting height, an appropriate fall protection at the upper stage has to be installed.
 We recommend our stainless steel door.



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:

OBERFLÄCHENGÜTE:



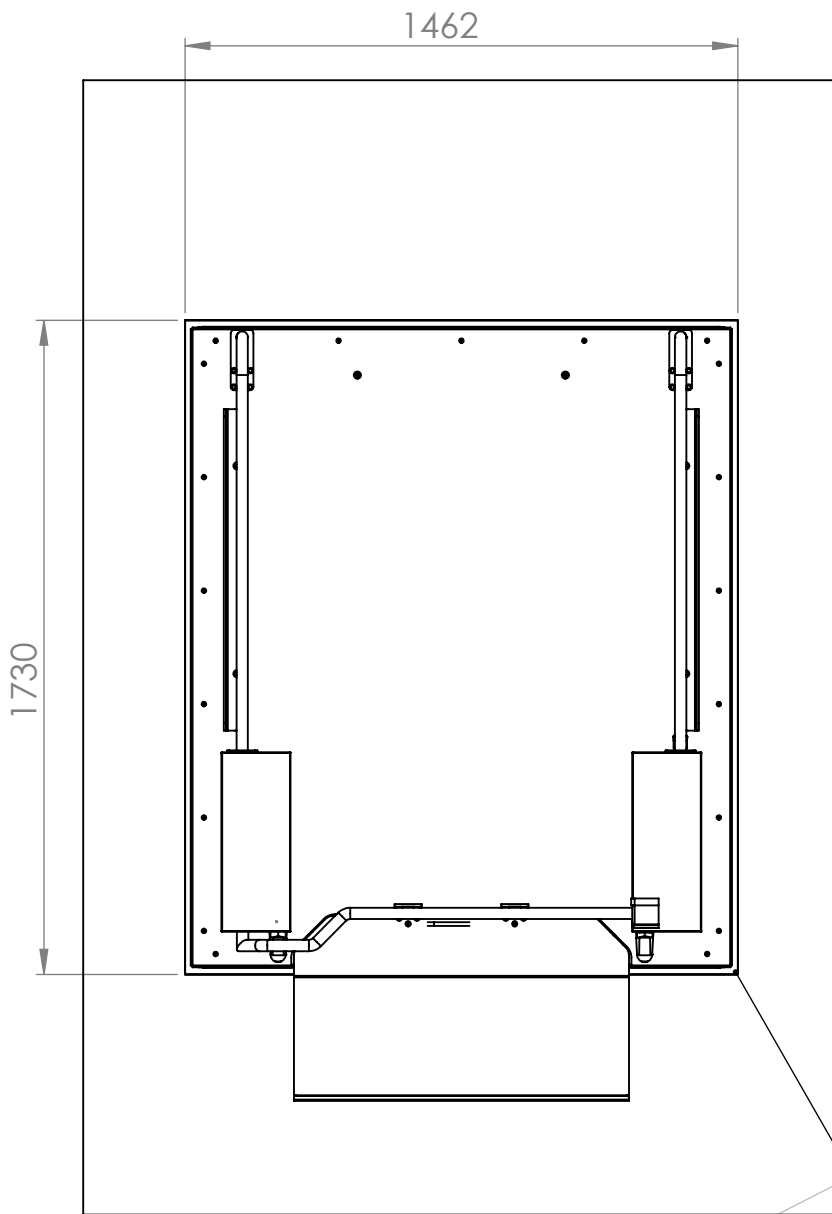
ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG

GEZEICHNET	NAME	SIGNATUR	DATUM		
GEPRÜFT	Bartsch		29.7.14	A	
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

BENENNUNG:	MB 1800	
ZEICHNUNGSNR.	Dimension sheet MB 1800	A4
MASSSTAB: 1:50	BLATT 1 VON 1	



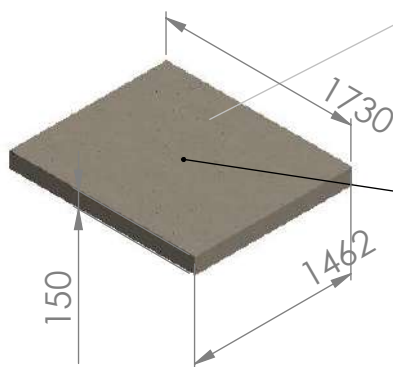
Baseplate has to be flat, without gradient
 Made of Reinforced concrete, 150 mm thick
 Quality C20 / 25 grit 0/16

Substructure according to choice,
 depends on existing underground

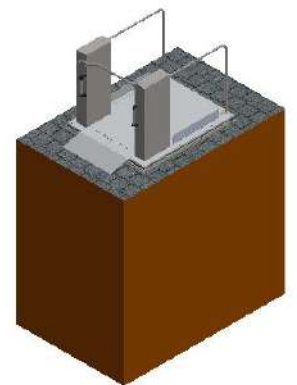
Pressure to the concrete base is Approximately 400 Kg own weight of the lift +
 Max. 350 kg loading capacity of the lift

Lift has to be screwed on the baseplate with heavy-duty dowels

Stated dimensions work for installation in a 100mm deep pit or show the minimum dimensions for installation at ground level



An centrally located outflow is recommended when installing the lift in a pit



WENN NICHT ANDERS DEFINIERT:
 BEMASSUNGEN SIND IN MILLIMETER
 OBERFLÄCHENBESCHAFFENHEIT:
 TOLERANZEN:
 LINEAR:
 WINKEL:

OBERFLÄCHENGÜTE:



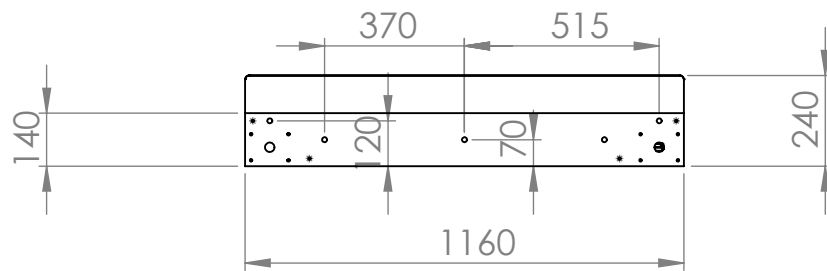
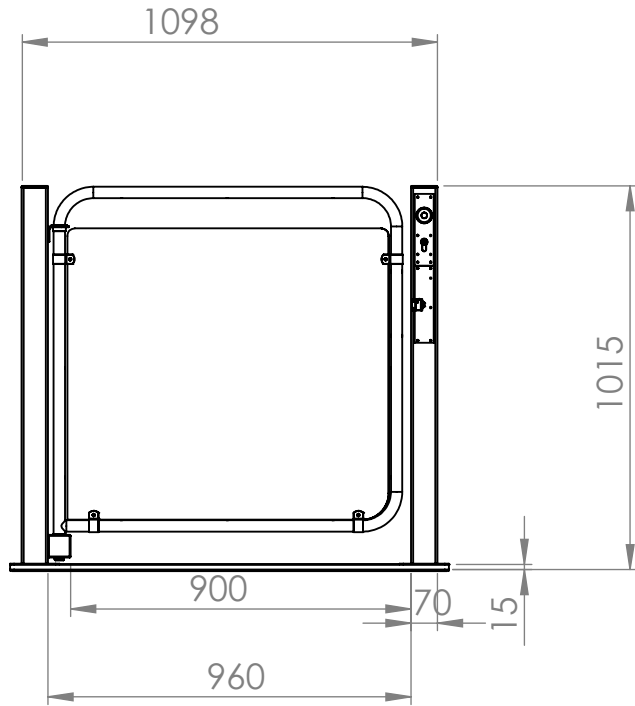
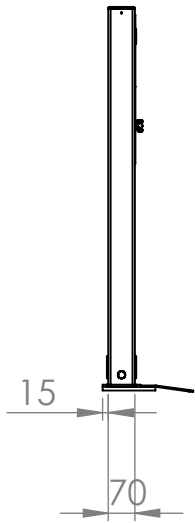
ENTGRATEN
 UND SCHARFE
 KANTEN
 BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG

	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		19.2.15	A	
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT					
				WERKSTOFF:	
				Concrete C20/25	
				GEWICHT:	

BENENNUNG:	Concrete base for MB1800	
ZEICHNUNGSNR.		A4
MASSSTAB: 1:100	BLATT 1 VON 1	



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM		
GEZEICHNET	Bartsch		15.4.14		
GEPRÜFT					
GENEHMIGT					
PRODUKTION					
QUALITÄT				WERKSTOFF:	
				GEWICHT:	

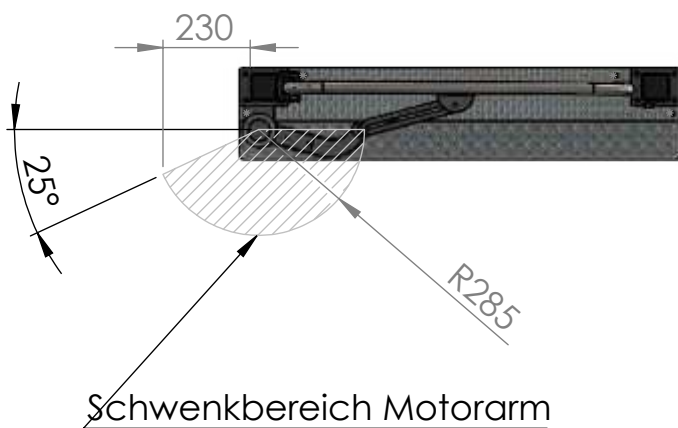
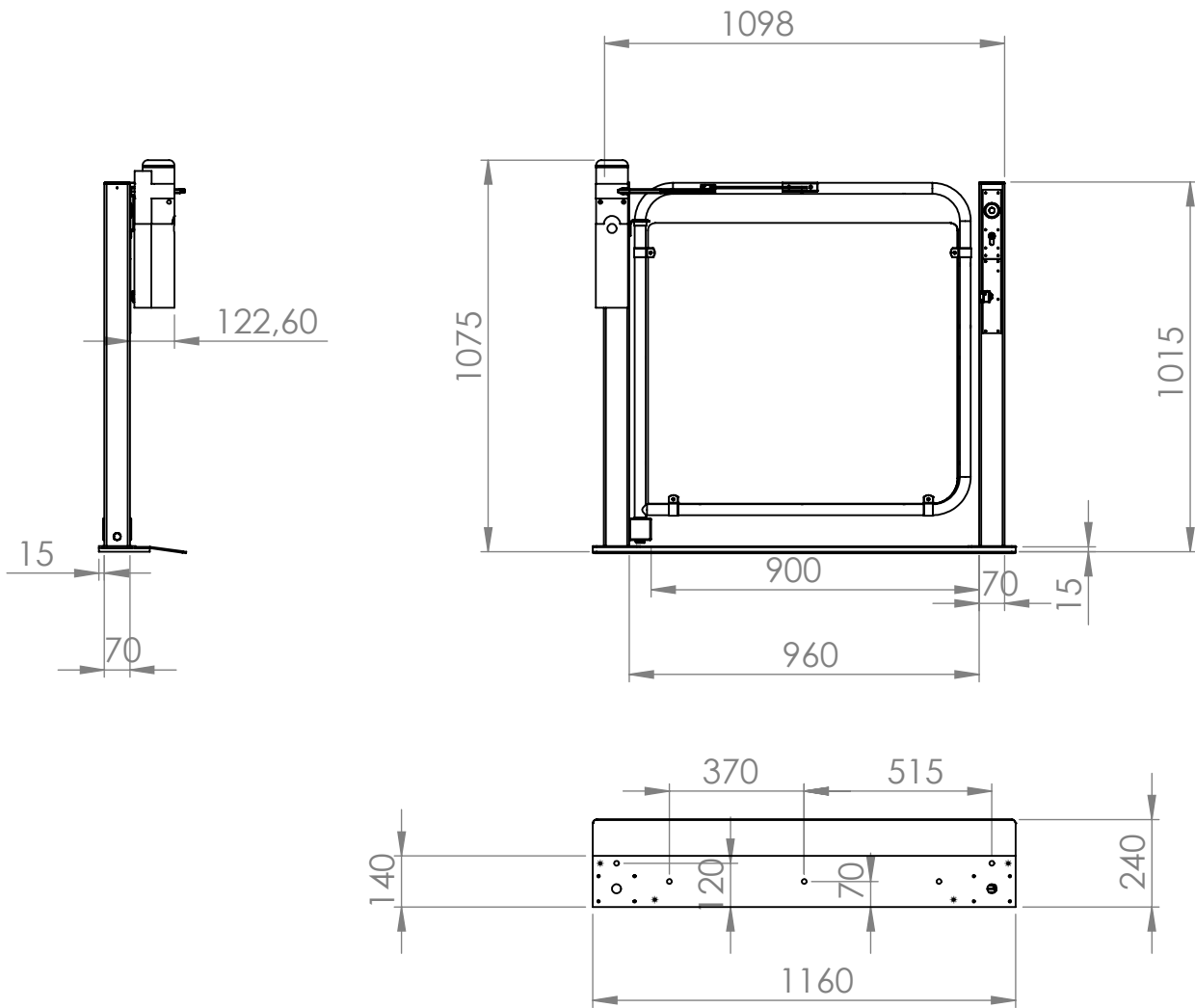
BENENNUNG:

ZEICHNUNGSNR.
ZSB MB Tür standard

A4

MASSSTAB: 1:20

BLATT 1 VON 1



WENN NICHT ANDERS DEFINIERT:
BEMASSUNGEN SIND IN MILLIMETER
OBERFLÄCHENBESCHAFFENHEIT:
TOLERANZEN:
LINEAR:
WINKEL:

OBERFLÄCHENGÜTE:

ENTGRATEN
UND SCHARFE
KANTEN
BRECHEN

ZEICHNUNG NICHT SKALIEREN

ÄNDERUNG



	NAME	SIGNATUR	DATUM
GEZEICHNET	Bartsch		15.4.14
GEPRÜFT			
GENEHMIGT			
PRODUKTION			
QUALITÄT			

WERKSTOFF:

GEWICHT:

BENENNUNG:

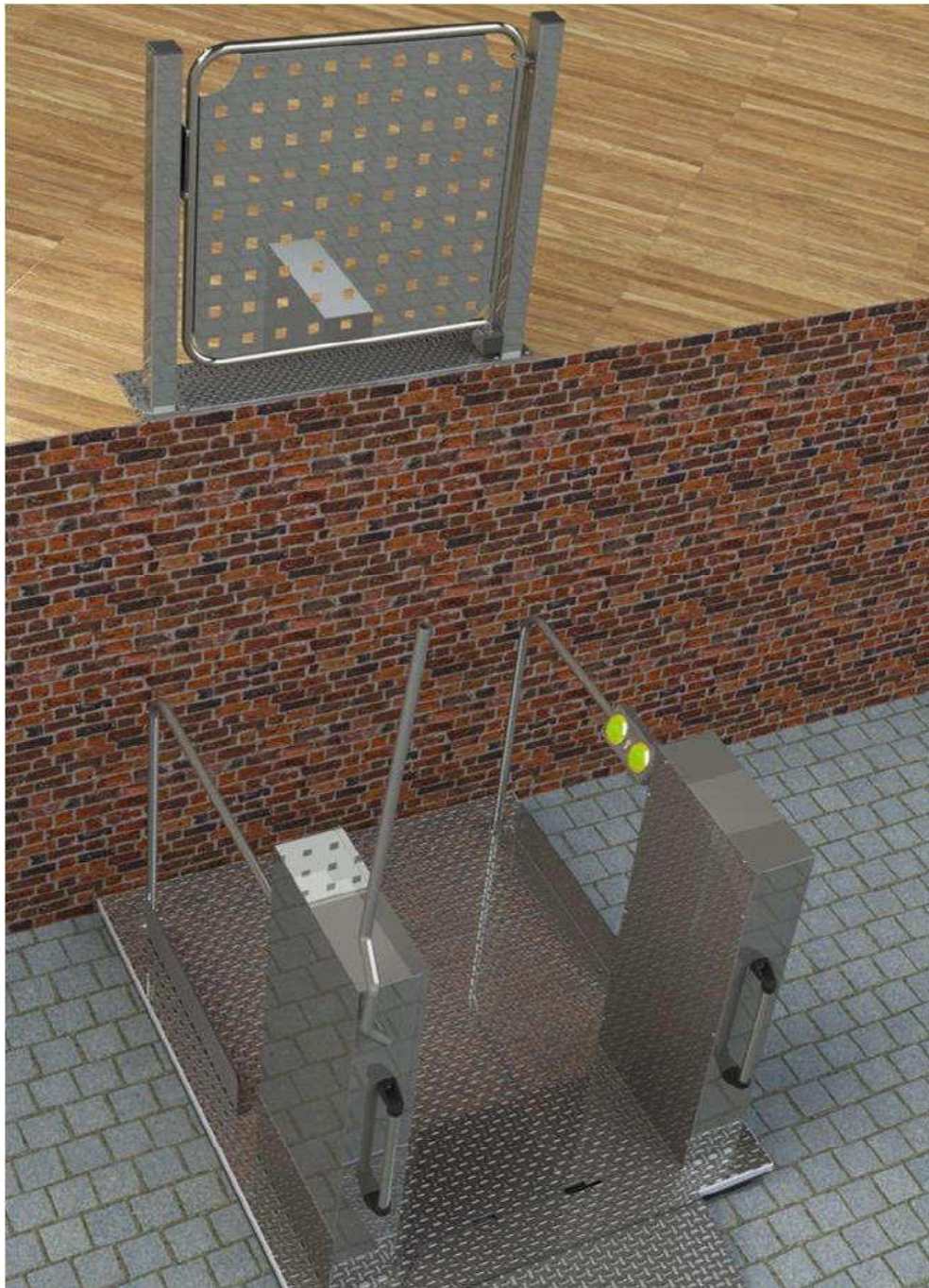
ZEICHNUNGSNR.

ZSB MB Tür mit Türantrieb

A4

MASSSTAB: 1:20

BLATT 1 VON 1



















Global Suppliers of Quality Handrails, Staircases, Ladders, Platforms & Covers in Aluminium, Stainless Steel and Mild Steel Galvanised



Head Office: Dawley House, Dawley Brook Road, Kingswinford, UK. DY6 7BB

Tel +44 1384 389750 Email sales@antaccess.uk

Company Registration No. 9757513



INTRODUCTION

Ant Access International Ltd (AAIL) is a UK based company working with the construction industry throughout the world.

From our UK Head Office, we operate throughout the UK and internationally through our agents, supplying UK manufactured equipment to projects as diverse as:

Sewage Treatment Plants
Water Treatment Plants
Public Buildings
Power Plants
Petro-chemical Plants
Aviation Sector
Rail Sector

AAIL provides the full service from initial design, detailing, manufacture, shipment & installation supervision.

Our extensive experience in all sectors ensure we are well placed to meet with clients and consultants to ensure that what we provide meets their highest expectations.

AAIL are accredited with BSI ISO9001:2015 & EN1090-1:2009+A1:2011

We are one of the only companies that can supply the full range of products in:

- Anodised Aluminium Grade 6082-T6
- Stainless Steel Grade 316
- Mild Steel Hot Dip Galvanised
- GRP

ANT ACCESS

INTERNATIONAL LTD



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TUBULAR MARINE GRADE ALUMINIUM HANDRAIL AA401 HANDRAIL

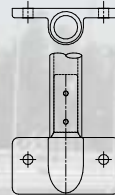
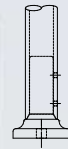
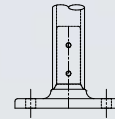
AA401 is a versatile heavy duty aluminium handrail system, constructed from marine grade aluminium alloy materials designed to give maximum strength. AA401 is suited to most situations and is tailor made in component form to suit each individual installations, or in stock lengths for on site fabrication. The aluminium construction offers excellent corrosive resistance in its natural state, this may be further enhanced with surface treatment such as anodising.

The handrails are generally supplied in pre- formed/fabricated bends, being individually marked for easy identification & assembly on site, with the assistance of layout drawings provided. Straight sections of handrail are supplied in standard 6 Mtr lengths for site cutting / assembly.

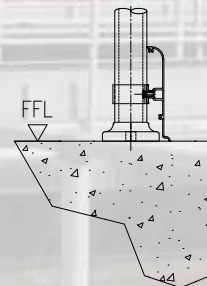
Where handrails are provided for attaching to customers equipment or to building structures, adequate consideration must be given to the design of such structures to resist any loads imposed by the handrails and fixings.



FLAT BASE-
AA-401FB



SIDE PALM
AA-401SP



ALU TOEPLATE AA-401TPt

The AA401 aluminium handrail system is supplied from heavy duty aluminium posts of 50.8mm dia shank, with 38.1mm o/d top and intermediate handrails. The post is drilled to receive the intermediate rail, whilst the top rail is secured via a die cast tee section, all secured via stainless steel grub screws. The post is supported on high duty heat treated die cast bases, generally drilled to receive M12 fixings. 150mm high toeplate is supplied as required, secured to the handrail posts. 3 hole bases are available if specified / required.

Materials:

Top Tee Section – BS EN 1676
 Bases – BS EN 1676
 Handrail Tube – BS EN 573 & BS EN 755
 (grade 6082)



MARINE GRADE ALUMINIUM ACCESS LADDERS TYPE AA420

Access ladders are designed for access to platforms and structures where use of a stair is not suitable.

Ladders are 380mm min between stringers, complete with rungs at 300 max ctrs.

For the AA420 ladder type, the stringers are opened out to 700mm for a walk-through and is complete with a three rung top step section. For ease of transport / installation, ladders can be spliced. Ladders are secured with stays at generally 2500 ctrs, although this may increase if larger stringer sections are used.

Safety cages or fall arrest systems are an essential requirement for ladders where a user could fall 3m or more or come into contact with dangerous equipment.

Safety cages should start 2400mm from FFL & have hoops in line with the handrail ctrs to the head and 900mm max spacing there-after.

Inclined ladders should be set at 75° or steeper.

Landings where required should not be less than 840mm square complete with handrails and toe plates to protect open sides.

Material: Aluminium Marine Grade 6082 T6 Stringers condition to BS1474 u.n.o.

Ladders stringers & walk-through:
65 x 13 flat bar minimum, c/w 20mm dia solid serrated rungs.

Box section stringers can be offered as an alternative – 89 x 29
c/w 24mm dia tubular ribbed rungs.

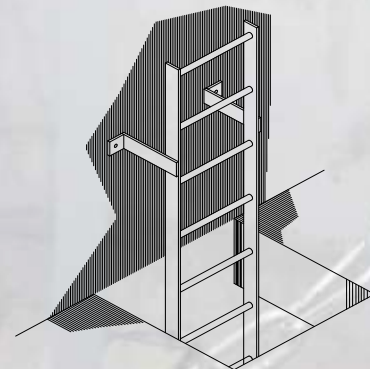
Safety Cage, (hoops & straps):
50x8 flat bar.

Ladder stays:
Generally flat bar of the same section as the ladder stringers.

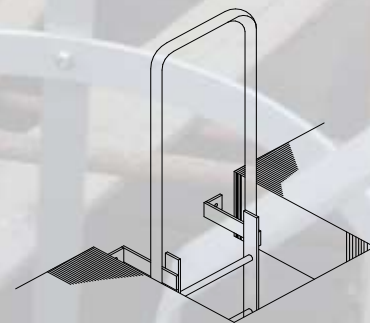
Note:
A self closing gate, or safety chains should be provided to ladders with walk-through's, to guard against falls.

All fixings are stainless steel gr316.

Finish:- Anodised AA20.



AA421 - LADDER
EXTENDED ABOVE
FFL, FOR HANDHOLD



AA422 - LADDER
WITH RETRACTABLE
HANDHOLD

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MARINE GRADE ALUMINIUM STAIRS AA430

AA430 aluminium stairs are provided in accordance with BS EN ISO 14122 & BS 5395, which should be consulted during the design of any single / multi flight stairs.

General Considerations:

Individual stair flights should not exceed 3000mm rise between floor or landing levels, nor contain more than 16 risers.

The preferred stair pitch is from 30 to 38°, although for a private stairs unto approx. 42° is acceptable.

Handrails to the stair flight should be between 900mm & 1000mm high from the pitch line, with handrails to landings 1100mm min – both cases complete with intermediate rails.

Treads & risers should be pitched such to afford comfortable gait – please refer to the table in BS 5395, however approx. 250mm going & 190mm rise is typical.

For stairs with open risers, the nosing of any tread or landing should overlap the back of the tread below by not less that 16mm.

Assembly stairs exceeding 36 risers in consecutive flights, should have at least on change of direction between flights, (min 30°).

Headroom, (vertical distance from FFL), over stairs and landings should not be less than 2000mm with a clearance, (distance perpendicular to the pitch line) of at least 1500mm. For stairs of 3 steps of less this should be increased.

Materials:

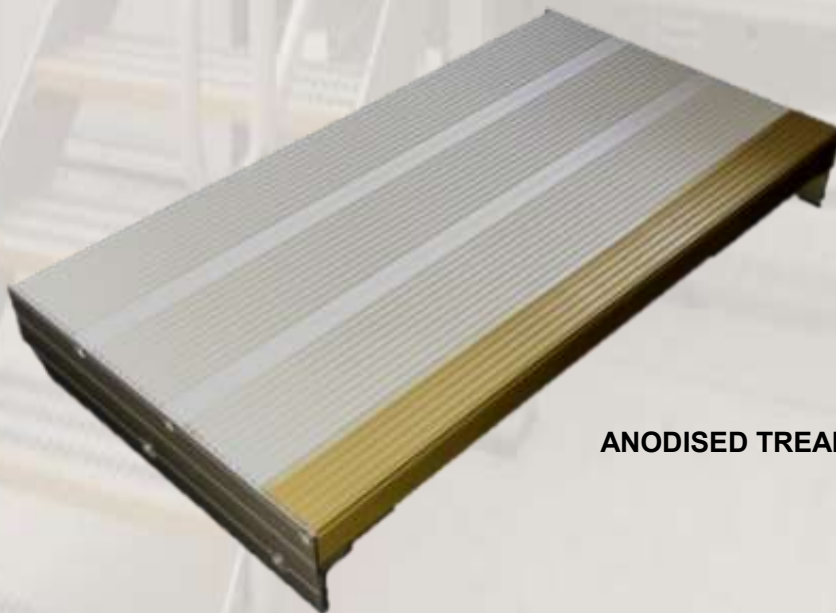
Stringers – Generally flat bar, or channel section.

Handrails – As per AA1401 series.

Flooring & Treads – As per AA1410 series.

FINISH

Anodised AA20



ANODISED TREAD WITH GOLD NOSING

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MARINE GRADE ALUMINIUM FLOORING AA410 / AA411

AA410 flooring is 30mm deep, both in solid top AA410 and open type (25% open area) AA411 and is manufactured from marine grade 6082 T6 material.

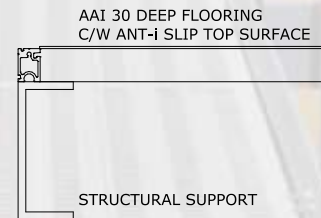
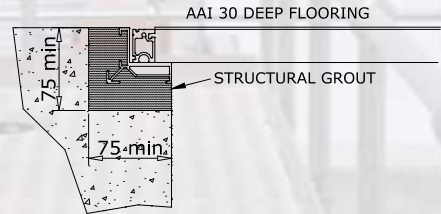
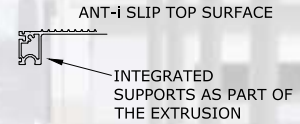
Both solid top and open type aluminium flooring systems benefit from a high strength to weight ratio and are virtually maintenance free. Integrated stiffeners give the floor system large span capabilities thus reducing the number of supports necessary. Both systems offer a ribbed top surface that provides a firm ANT-i slip grip which is further enhanced by serrating.

AA410 flooring is supplied in pre-fabricated panels constructed from standard interlocking sections locked together with specially designed end bars, (binding / nosing bars). Any cut-outs that are required are incorporated at the manufacturing stage accommodating pipework, cables and services etc.

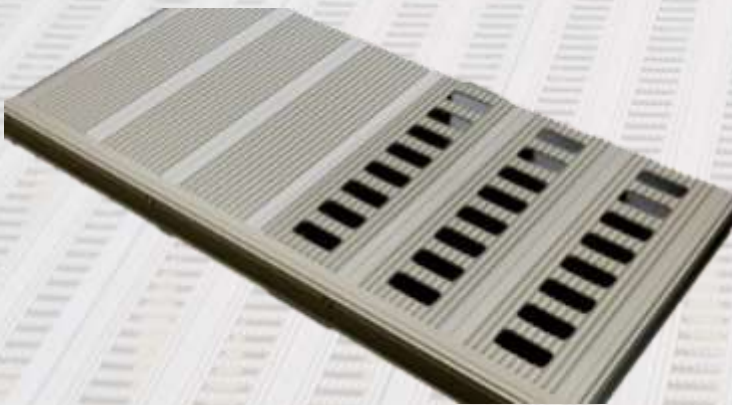
Floor panels are individually numbered for easy identification and installation on site, with the assistance of layout drawings provided. Specially designed curbing is also available, as illustrated, where flooring to trench / chamber rebates is required.

Flooring from aluminium alloy grade 6082 T6 to BS EN 573 & BS EN 755

Finish: Anodised AA20

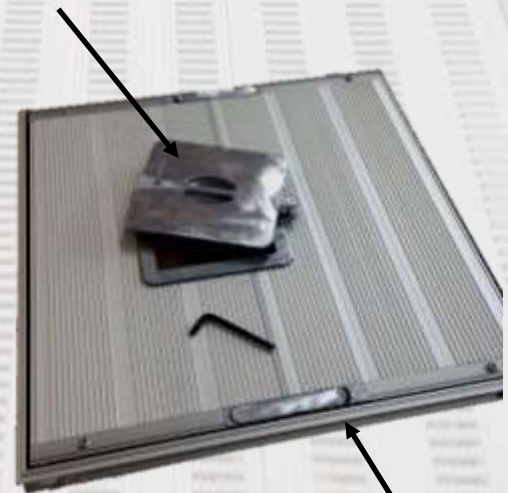


SOLID TYPE AA410



OPEN TYPE AA411

SPINDLE ACCESS COVER



LIFTING HANDLES

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Company Registration No. 9757513

FLOOR LOADING CAPABILITIES AS TESTED & RECORDED BY LLOYDS BRITISH

- Table 1 shows the actual deflections recorded under UDL with the floor panel supported on 4 sides
- Table 2 shows the actual deflections recorded under UDL with the floor panel supported on 2 sides

<u>TABLE 1</u>			
AA410 Solid serrated aluminium flooring panel supported on 2 sides (UDL)			
CLEAR SPAN	1000mm	1500mm	1750mm
5kN M2	509Kg	763Kg	890Kg
	3mm	9.91mm	12.82mm
7.5kN M2	764Kg	1146Kg	1337Kg
	5.02mm	13.05mm	14.90mm
<u>TABLE 2</u>			
AA410 Solid serrated aluminium flooring panel supported on 4 sides (UDL)			
CLEAR SPAN	1500mm	1500mm	1750mm
5kN M2	509Kg	763Kg	890Kg
	0.83mm	5.52mm	8.05mm
7.5kN M2	764Kg	1146Kg	1337Kg
	1.00mm	7.18mm	10.14mm

MARINE GRADE ALUMINIUM HINGED COVERS AA413 FLUSH FITTING HINGED COVERS

AA413 hinged covers are constructed from AAI 30mm deep flooring system & therefore retains the ribbed Ant-i slip top surface. This cover is ideal for use in pedestrian areas and will be made to suit the opening size required. The covers are hinged and can be supplied with AAI integrated lifting handles, and can also be supplied with gas struts to assist the opening & closing of the covers.

Locking lugs can be provided to the covers, which enable padlocks to be fitted to prevent unauthorised access.

These covers can be provided pre assembled, complete with AAI's standard curb frame for fitting to opening in concrete floors / roofs, (note the standard 75x75 rebate will be required around the opening), or can be integrated into our flooring system as part of a bigger platform / flooring area.

AAI413 covers are provided from either the open or solid type flooring and can also be provided with the AAI's double neoprene seals to enhance odour control & deter water ingress.



AA414 – RAISED HINGED COVERS

AA414 hinged covers are constructed from marine grade 6082 to BS EN 573 & BS EN 755 aluminium materials, offering excellent strength & corrosion resistance. The top cover, (being assembled from AAI's specially extruded perimeter frame and a cover plate available with a ribbed top surface), hinges onto AAI's base frame and is complete with integral rubber seals for odour control. The base frame is seated on neoprene gasket and secured to the support structure with suitable stainless steel anchors.

This cover is ideal for use on roof slabs & roof walkways and will be made to suit the opening size required. The covers are hinged and are supplied with AAI lifting handles / locking lugs, and can also be supplied with gas struts to assist the opening and closing of the covers. The covers are available upon request with a secondary internal hinged safety grille.



Fitting a padlock to the locking handle will prevent unauthorised access.

These covers are provided pre assembled for bolting direct to the concrete or platform opening / support structure.

Covers are individually numbered to facilitate easy identification for installation on site, with the assistance of layout drawings provided.

Finish: Anodised AA20

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MARINE GRADE ALUMINIUM FLOORING – ODOUR CONTROL AA412 ODOUR CONTROL FLOORING

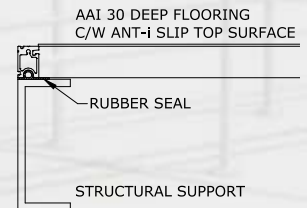
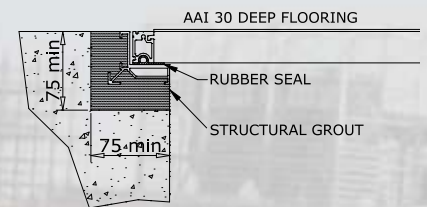
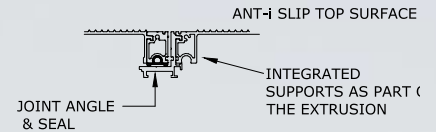
AA412 flooring is 30mm deep solid top complete with perimeter rubber seals to give a substantial seal.

Benefiting from a high strength to weight ratio this system is also virtually maintenance free. Integrated stiffeners give the floor system large span capabilities thus reducing the number of supports necessary. The floor system is complete with a ribbed top surface that provides a firm sure footed ANT-i slip grip which is further enhanced by serrating.

Neoprene double seals are specially produced to fit into the flooring / edge bar profile, to provide a substantially sealed odour control system and is provided with a edge extrusion / seal at all of the panel joints.

AA412 series flooring is supplied in pre fabricated panels constructed from standard interlocking sections locked together with specially designed end bars, (binding / nosing bars). Any cut-outs that are required are incorporated at the manufacturing stage accommodating pipework, cables and services etc.

Floor panels are individually numbered to facilitate easy identification for installation on site, with the assistance of layout drawings provided. Specially designed curbing is also available, as illustrated, where flooring to trench / chamber rebates is required. Finishes include Self colour (untreated), Anodised or Polyester coated.



AA412 odour control flooring with perimeter rubber seals to give a substantial seal. Extruded interlocking planks are pre-fabricated to the required panel sizes, locked together with AAI end bars. Floor complete with ANT-i slip top Surface.

Flooring from aluminium "marine" alloy grade 6082 T6 to BS EN 573 & BS EN 755

ALUMINIUM LARGE SPAN ODOUR COVERS—TYPE AA440

With the supply of access and safety products to the Water and Sewage Industry worldwide, AAI prides itself in supplying a highly efficient service & quality end product.

Utilising high grade aluminium materials, AAI offer a wide range of covers to meet each projects individual requirements.

The supply of large span odour control covers is one of the services offered as part of the AAI range, which are designed and manufactured in accordance with the specific structure requirements and specifications.

With a long history in the use of marine grade, structural aluminium, large span trusses are designed and developed to provide large span self supporting trusses / covers, to eliminate the need for intermediate supports and therefore utilise the space below without obstruction.

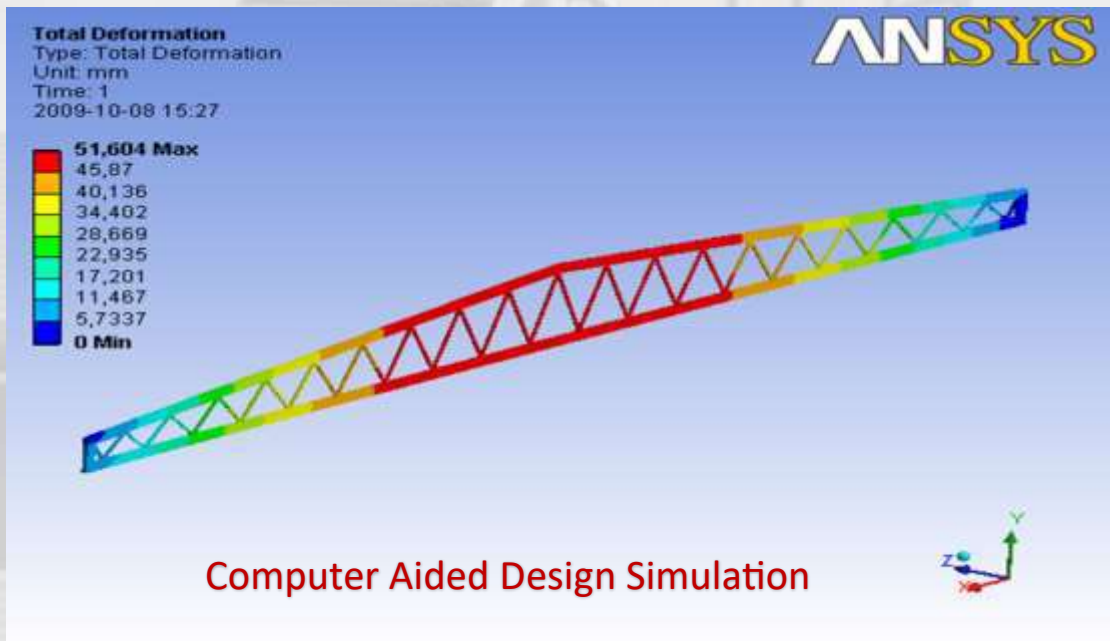
The larger span covers are typically designed to a lightweight loading criteria, more for an odour control system, however can be complete with designated walkway area's, either to access viewing points, or for access across the cover itself.

Aluminium's excellent properties allow fewer design constraints. With aluminium's low density and therefore low weight but high strength, malleability, ease of machining and excellent corrosion resistance and conductivity make AAI's aluminium truss system, a much more favourable choice over traditional materials such as steel, concrete and GRP.

With a density one third that of steel, the large span trusses / covers, offer a considerably more lightweight product, which will provide easier installation, lower plant costs and will impose less loading on the structure concerned.

Although aluminium provides its own corrosion resistance via oxidation, provided with an anodised finish, this enhances the strength of the natural corrosion protection to give a long term sustained resistance to the environment.

In order to maximise the truss strength, with the minimum amount of materials, each truss is designed with full calculations and stress analysis of all members and sections.



Full CAD drawings are provided in line with the design giving layouts, sections, elevations and details for client approval, prior to the manufacturing process.

AAI offer a full installation service using dedicated installation crews. Alternately, In conjunction with our Installation Manual and the assistance of one of our qualified Engineers, we will guide you through the installation processes required to ensure a safe and correct fit of the product on site.

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Company Registration No. 9757513

INSTALLATION OF ANODISED ALUMINIUM ODOUR CONTROL COVER ROOF



RAISED ODOUR CONTROL COVER TO BIOREACTOR TANKS—DOHA NORTH



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Company Registration No. 9757513



ALUMINIUM AVIATION ACCESS PLATFORMS—TYPE AA470

Our aviation access platforms are designed with soft edged buffers to avoid aircraft damage. The scaffold platforms can also be colour coded according to the aircraft for which they have been designed. This enables MRO staff to quickly deploy the correct system when required.

- Safe and easy access
- Rapid deployment
- Robust lightweight structures
- Constructed from our aluminium extrusions
- Corrosion resistant
- Non-slip aluminium decks and treads
- Hi-vis soft edged buffers
- Complies with 'Working at Heights' and 'Health & Safety' regulations
- Manufactured under the following procedures: ISO 9001, ISO 14001 Environmental, OHSAS 18001 and FM 00435



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Company Registration No. 9757513

RAIL— MARINE GRADE ALUMINIUM EMERGENCY ESCAPE WALKWAYS

Our Aluminium marine grade hard anodised chequer plate walkways with aluminium supports are designed and manufactured to a very high tolerance ensuring the structure can be installed to a high degree of accuracy allowing the gap between train and walkways to be maintained within the specified range.

The edges of the walkways are fitted with EPDM 75 rubber buffers and the undersides can be fitted with Sonotec Acoustic Boards.

The below example was supplied to HKACE-JV in Hong Kong for the Tuen Mun to Siu Hong MTR light rail.

West Rail was Hong Kong's largest construction project and also the biggest capital expansion project ever undertaken by the Kowloon-Canton Railway Corporation.

Ant Access successfully supplied and installed the 7km escape walkway on an accelerated program with a site management team overseeing up-to 100 men installing the equipment.



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ALUMINIUM PENSTOCK COVERS / SURROUND—TYPE AA460

AA460 Penstock covers / surrounds are designed for odour containment, in circumstances where the installation of penstocks create substantial openings that allow the omission of resident gasses / odours.

Supplied in kit form, to be built around the penstocks, these covers / surrounds will offer substantial containment of the odours produced in the flows that the penstocks control, whilst retaining access to the hand wheels or actuators. Made from high grade aluminium materials, AAI offer bespoke fabrications to suit each penstock and coupled with rubber seals and gaskets provide substantial odour control and full isolation from dissimilar metals. The penstock covers can be provided for penstocks installed to concrete structures, as well being provided and integrated within our aluminium walkways / platforms.

Although aluminium provides its own corrosion resistance via oxidation, provided with an anodised finish, this enhances the strength of the natural corrosion protection to give a long term sustained resistance to the environment.

Full CAD drawings are provided in line with the design giving layouts, sections, elevations and details for client approval, prior to the manufacturing process.

AAI offer a full installation service using dedicated installation crews. Alternately, in conjunction with our Installation Manual and the assistance of one of our Qualified Engineers, we will guide you through the installation processes required to ensure a safe and correct fit of the product on site.



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ALUMINIUM MARINE BRIDGES / WALKWAYS—TYPE AA450

AA450 Marine Walkways further expand the range of products available.

Designed for access to floating jetties, pontoons, or rafts, these walkways / bridges are again supplied to suit each individual application. With a fixed point swivel anchorage one end and rollers the other, this enables the walkways to self adapt to the fluctuating water levels that tide produce, as well as allowing pontoon or raft the movement required when buoyant.

Utilising high grade aluminium materials, AAI offer bespoke fabrications to suit each requirement.

Aluminium's excellent properties allow fewer design constraints. With aluminium's low density and therefore low weight but high strength, malleability, ease of machining and excellent corrosion resistance and reflectivity make AAI's aluminium marine walkway system a much more favourable choice over traditional materials such as steel, concrete, GRP and Timber.

Again, due to its density, these aluminium walkways offer a considerably more lightweight product, which will provide easier installation, lower plant costs and will impose less loading on the structure concerned.

Although aluminium provides its own corrosion resistance via oxidation, provided with an anodised finish, this enhances the strength of the natural corrosion protection to give a long term sustained resistance to the environment.

Each walkway is designed with full calculations and stress analysis of all members and sections, in order to keep weight to a minimum, whilst retaining the strength required for the required loadings imposed.

Full CAD drawings are provided in line with the design giving layouts, sections, elevations and details for client approval, prior to the manufacturing process.

AAI offer a full installation service using dedicated installation crews. Alternately, in conjunction with our Installation Manual and the assistance of one of our qualified Engineers, we will guide you through the installation processes required to ensure a safe and correct fit of the product on site.

Load test reports by Lloyds British available upon request .



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STAINLESS STEEL OPEN TYPE RECTANGULAR PATTERN FLOORING AA510

AA510 is open type stainless steel flooring, constructed from flat rectangular bar and round cross twist bars, formed as a unit by being pressed together under high pressure, whilst electrically welded at the same time.

The special construction offered by forge welded gratings provide a high resistance to twisting, bending and distortion.

AA510 flooring is supplied in pre-fabricated panels, completed panels having binding bars welded to the panel ends / sides and cut-outs. Gratings can be provided with plain, or machine-serrated bearing bars.

Each floor type is supplied with bearing bars either 3 or 5mm thick and from 20mm to 50 deep, to suit differing load / span criteria, as well as authority specification.

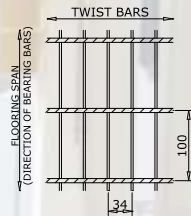
Floor panels are individually numbered for easy identification and installation on site, with the assistance of layout drawings provided.

All open type flooring that is to be used as a walkway or platform is required to be of such construction that a 35mm sphere cannot fall through (cat A). Where machinery / access is directly above where personnel work or congregate, this should be further reduced to prohibit a 20mm sphere, (cat B), in accordance with BS EN ISO 14122

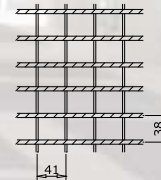
Note for Cat A – AA510 & 511 flooring should be used
Cat B – AA512 & 513 flooring should be used

AA510 flooring is generally secured to the support structure via standard clamp type clips, or shot fired stud and top disc / spacer washer.

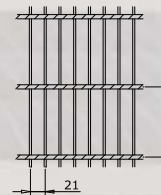
Panels are generally supplied self colour, (un-treated), pickled and passivated and/or electro polished.



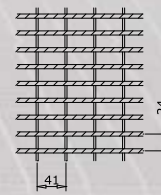
AA510
34/100 FLOORING



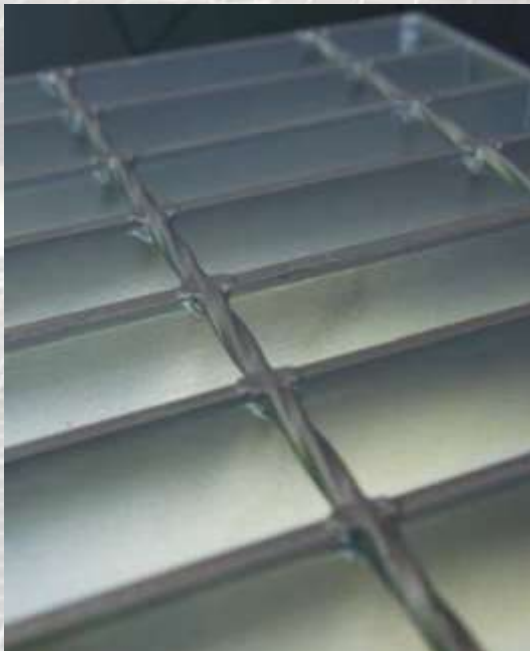
AA511
41/38 FLOORING



AA512
21/100 FLOORING



AA513
41/24 FLOORING

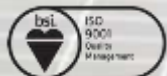


SECTION	Maximum walkway width for clear span	
	5.0 Kn/M2	7.5kN/m2
20 x 3	680	680
25 x 3	895	895
30 x 3	1075	1075
40 x 3	1400	1400
25 x 5	1050	1050
30 x 5	1250	1200
40 x 5	1650	1550
50 x 5	2050	1800

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STAINLESS STEEL ACCESS LADDERS—AA520

Access ladders are designed for access to platforms and structures where use of a stair is not suitable. Ladders are 380mm min between stringers, complete with rungs at 300 max ctrs.

For the AA520 ladder type, the stringers are opened out to 700mm to a walk-through and is complete with a three rung step section. For ease of transport / installation, ladders can be spliced.

Ladders are secured with stays at generally 2500 ctrs, although this may increase if larger stringer sections are used.

Safety cages or fall arrest systems are an essential requirement for ladders where a user could fall 3m or more or come into contact with dangerous equipment. Safety cages should start 2400mm from FFL and have hoops in line with the handrail ctrs to the head and 900mm max spacing there-after.

Inclined ladders should be set at 75° or steeper.

Landings where required should not be less than 840mm square complete with handrails and toe plates to protect open sides.

Material: Stainless steel grade 316L to provide the best possible corrosion resistance. Grade 304 could be used for less aggressive environments.

Ladders stringers and walk-through:

Generally 65x13 flat bar minimum, c/w 20mm dia solid rungs.

Stringers can be manufactured from larger flat bar or angle sections, if fixing ctrs are limited.

Safety Cage, (hoops & straps):

50x8 flat bar.

Ladder stays:

Generally flat bar of the same section as the ladder stringers.

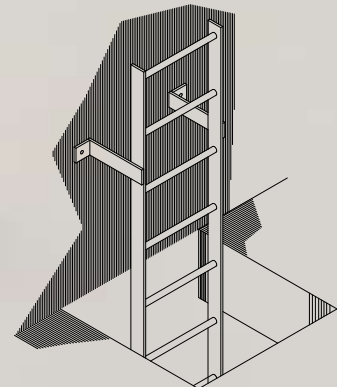
Note:

Safety chains should be provided to ladders with walk-through's, to guard against falls.

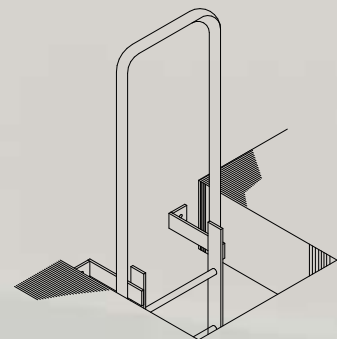
All fixings to be stainless steel grade 316 (A4)

Finishes include:- Self-colour, pickle and passivate and electro polished.

Direct contact with materials such as aluminium or copper should be avoided, however use of suitable isolating gaskets should eliminate any problems with this.



AA521 - LADDER
EXTENDED ABOVE
FFL, FOR HANDHOLD



AA522 - LADDER
WITH RETRACTABLE
HANDHOLD

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TUBULAR -BALL TYPE RAIL—TYPE AA500

This is a stainless steel handrail system and manufactured from grade 316 material. Differing finishes means this is a versatile system which can be used in aggressive / corrosive environments, as well as being used for feature handrails.

All parts are totally pre-fabricated before delivery in accordance with bespoke drawings prepared for every individual contract. Each piece of handrail is marked to facilitate identification, this in conjunction with the drawings provided, ensure quick trouble free assembly.

Generally handrails should be not less than two rails in the same plane, however on companion way ladders and on stairs bounded by a wall a single handrail should be fitted. Handrails should be continuous and to avoid injury or damage, rails should terminate in a returned end. All joints are concealed within the ball via an internal groove type ferrule.

Resistance to loads imposed by the handrails and fixings should be considered when designing the structure that the handrails are intended to be attached to.

Handrail standard make up will vary according to the shank type require for the determined loading / specification. This will affect in turn the ball diameter needed.

Base plates will normally be welded on to the shanks and drilled to received M12/M16 bolts as required. Larger / thicker bases may be required to those shown for heavier duty loading.

Finishes:

Self Colour (untreated)

Pickled & passivated

Brushed Matt

Electro-polished, (following pickle/passivation)

Loadings should be defined in BS6180:1995, BS EN ISO14122: 2001, BS5395 Part 3:1985 & BS6399 Part 1:1984



HANDRAIL STANDARD / SPACING GUIDE

Tubular and solid standards.

Max spacing based on a design height of 1100mm, standards complete with a flat base, secured to steelwork. Note where handrail heights exceed 1100mm spacing's should be checked for suitability.

Direct contact with some metals such as Copper or Aluminium, should be avoided. Use of suitable isolation materials will alleviate any problems.

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Handrail Standard	Handrail	Horizontal Design Load				
		0.22 kN/m	0.36 kN/m	0.50 kN/m	0.74 kN/m	1.00 kN/m
Tubular						
33.7 mm o.d. x 3.0 mm	33.7 mm o.d.	1650 mm	1075 mm	750 mm	-	-
42.4 mm o.d. x 3.0 mm	33.7 mm o.d.	2000 mm	1850 mm	1450 mm	1050 mm	-
42.4 mm o.d. x 3.0 mm	42.4 mm o.d.	2000 mm	1900 mm	1500 mm	1100 mm	-
48.3 mm o.d. x 3.0 mm	42.4 mm o.d.	2000 mm	2000 mm	2000 mm	1500 mm	1200 mm
48.3 mm o.d. x 4.0 mm	42.4 mm o.d.	2000 mm	2000 mm	2000 mm	1700 mm	1400 mm
60.3 mm o.d. x 4.0 mm	48.3 mm o.d.	2000 mm	2000 mm	2000 mm	2000 mm	1800 mm
Solid						
32 mm o.d.	33.7 mm o.d.	2000 mm	1350 mm	1100 mm	-	-
38 mm o.d.	42.4 mm o.d.	2000 mm	2000 mm	1800 mm	1400 mm	1100 mm
40 mm o.d.	42.4 mm o.d.	2000 mm	2000 mm	2000 mm	1650 mm	1250 mm

LOADS ARE UNFACTORED — PLEASE CONTACT US SHOULD FACTORED LOADING BE REQUIRED



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TUBULAR -BALL TYPE RAIL—TYPE AA700

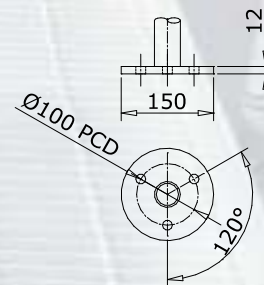
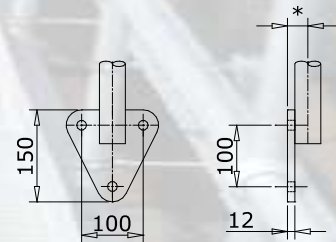
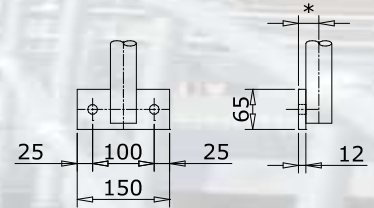
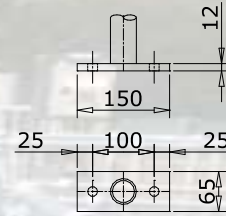
This mild steel handrail system is widely used in civil and industrial environments. All parts are totally pre-fabricated before delivery in accordance with bespoke drawings prepared for every individual contract. Each piece of handrail is marked to facilitate identification, this in conjunction with the drawings provided, ensure quick trouble free assembly. Generally handrails should be not less than two rails in the same plane, however on companion way ladders and on stairs bounded by a wall a single handrail should be fitted. Handrails should be continuous and to avoid injury or damage, rails should terminate in a returned end.

When designing fixings, connections, supporting brackets and other supports, the design loads for the components should be multiplied by an additional nominal factor of 1.5 (BS6180). We recommend that the spacing of standards with fixings to concrete should not exceed 1.5 metres to limit stress on fixings.

Handrail standard make up will vary according to the shank type require for the determined loading / specification. This will affect in turn the ball diameter needed.

Base plates will normally be welded on to the shanks and drilled to received M12/M16 bolts as required. Larger / thicker bases may be required to those shown for heavier duty loading.

Handrail standards will usually be supplied Galvanised to BS EN ISO1461, but can be supplier either self colour or primer painted, (for site finishes). Loadings should be a defined in BS6180, BS EN ISO14122, BS5395 Part 3 & BS EN 6399 Part 1:1991



HANDRAIL STANDARD / SPACING GUIDE

Tubular and solid standards.

Max spacing based on a design height of 1100mm, standards complete with a flat base, secured to steelwork.

Note where handrail heights exceed 1100mm spacing's should be checked for suitability.

Loads are unfactored – please contact us should factored loading be required.

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GMS OPEN TYPE RECTANGULAR PATTERN FLOORING TYPE AA710

AA710 is open type mild steel flooring, constructed from flat rectangular bar and round cross twist bars, formed as a unit by being pressed together under high pressure, whilst electrically welded at the same time.

The special construction offered by forge welded gratings provide a high resistance to twisting, bending and distortion.

AA710 series flooring is supplied in pre-fabricated panels, completed panels having binding bars welded to the panel ends / sides and cut-outs. Gratings can be provided with plain, or machine-serrated bearing bars.

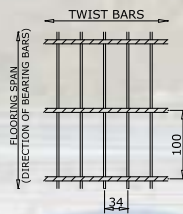
Each floor type is supplied with bearing bars either 3 or 5mm thick and from 20mm to 50 deep, to suit differing load / span criteria, as well as authority specification.

Floor panels are individually numbered for easy identification and installation on site, with the assistance of layout drawings provided.

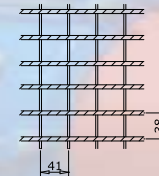
All open type flooring that is to be used as a walkway or platform is required to be of such construction that a 35mm sphere cannot fall through (Cat A). Where machinery / access is directly above where personnel work or congregate, this should be further reduced to prohibit a 20mm sphere, (Cat B), in accordance with BS EN ISO 14122.

Note for Cat A – AA710 & 711 flooring should be used
Cat B – AA712 & 713 flooring should be used

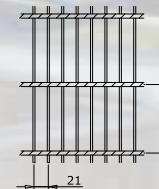
AA710 flooring is generally secured to the support structure via standard clamp type clips, or shot fired stud & top disc / spacer washer. Panels are supplied galvanised to BS EN ISO1461.



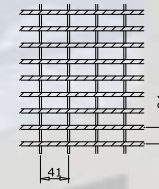
AA710
34/100 FLOORING



AA711
41/38 FLOORING



AA712
21/100 FLOORING



AA713
41/24 FLOORING



The table below gives a quick reference guide to the clear spans achieved by the most commonly used 34/100 pitch grating. Note from the illustration opposite, the clear span is the distance between the supports, not the walkway width.

5kN/m² – General Duty Loading
7.5kN/m² – Heavy Duty Loading

SECTION	Maximum walkway width for clear span	
	5.0 Kn/M2	7.5kN/m2
20 x 3	680	680
25 x 3	895	895
30 x 3	1075	1075
40 x3	1400	1400
25 x 5	1050	1050
30 x 5	1250	1200
40 x 5	1650	1550
50 x 5	2050	1800



GALVANISED MILD STEEL ACCESS LADDERS TYPE—AA720

Access ladders are designed for access to platforms and structures where use of a stair is not suitable.

Ladders are 380mm min between stringers, complete with rungs at 300 max ctrs.

For the AA720 ladder type, the stringers are opened out to 700mm to a walk-through and is complete with a three rung step section. For ease of transport / installation, ladders can be spliced.

Ladders are secured with stays at generally 2500 ctrs, although this may increase if larger stringer sections are used.

Safety cages or fall arrest systems are an essential requirement for ladders where a user could fall 3m or more or come into contact with dangerous equipment.

Safety cages should start 2400mm from FFL and have hoops in line with the handrail ctrs to the head and 900mm max spacing there-after.

Inclined ladders should be set at 75° or steeper.

Landings where required should not be less than 840mm square complete with handrails and toe plates to protect open sides.

Material: Mild steel grade S275-JR

Ladders stringers and walk-through:

Generally 65x13 flat bar minimum, c/w 20mm dia solid serrated rungs.

Stringers can be manufactured from larger flat bar or angle sections, if fixing ctrs are limited.

Safety Cage, (hoops & straps):

50x8 flat bar.

Ladder stays:

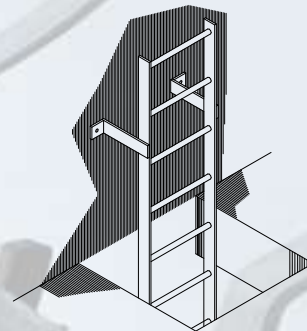
Generally flat bar of the same section as the ladder stringers.

Note:

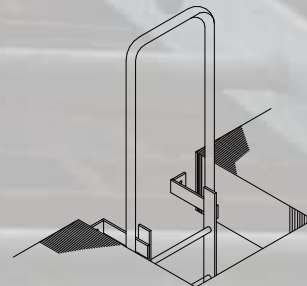
Safety chains should be provided to ladders with walk-through's, to guard against falls.

All xox fixings are galvanised / bzp, anchors to concrete will be as specified.

Finish- Galvanised to BS EN ISO1461.



AA721 - LADDER
EXTENDED ABOVE
FFL, FOR HANDHOLD



AA722 - LADDER
WITH RETRACTABLE
HANDHOLD

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GALVANISED MILD STEEL STAIRS—TYPE AA730

AA730 galvanised mild steel stairs are provided in accordance with BS EN ISO 14122 & BS 5395, which should be consulted during the design of any single / multi flight stairs.

General Considerations:

Individual stair flights should not exceed 3000mm rise between floor or landing levels, nor contain more than 16 risers. The preferred stair pitch is from 30 to 38°, although for a private stairs up to approx. 42° is acceptable.

Handrails to the stair flight should be between 900mm and 1000mm high from the pitch line, with handrails to landings 1100mm min – both cases complete with intermediate rails.

Treads and risers should be pitched such to afford comfortable gait – please refer to the table in BS 5395, however approx. 250mm going and 190mm rise is typical.

For stairs with open risers, the nosing of any tread or landing should overlap the back of the tread below by not less than 16mm.

Assembly stairs exceeding 36 risers in consecutive flights, should have at least one change of direction between flights, (min 30°).

Headroom, (vertical distance from FFL), over stairs and landings should not be less than 2000mm with a clearance, (distance perpendicular to the pitch line) of at least 1500mm. For stairs of 3 steps or less this should be increased.

Materials:

Stringers – Generally flat bar, or channel section.

Handrails – Generally as per AA1700 series, although welded handrail or balustrade is available if required / specified.

Flooring and Treads – Generally per AA1710 series, although chequer / solid plate treads are available if required / specified.

FINISH: Galvanised to BS EN ISO1461



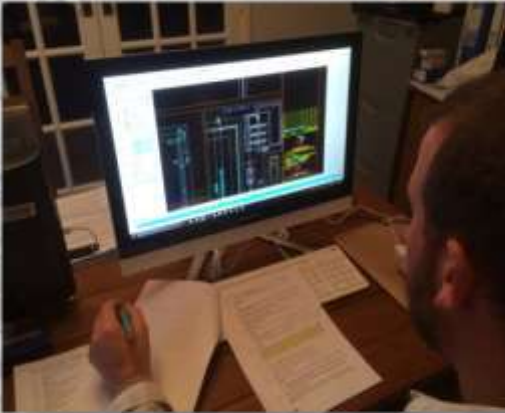
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ANT ACCESS

INTERNATIONAL LTD



Ant Access International designers have a lifetime of experience in the industry. Able to fully interpret the requirements of the contract and translate this into a CAD drawing for client/consultant approval.

All aluminium products are produced in the UK and will be shipped with material certificates showing full compliance with QCS specification.



3-Axis and 5-Axis CNC Multi Head machines capable of handling up to 12mt lengths are able to manufacture components faster, more efficiently and accurately saving time and money.

All of our welders are trained to use both TiG and MiG welders depending on the product requirements.



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More complex fabrications will be shop assembled to ensure all parts fit correctly. Product will then be dismantled and placed into its own uniquely marked case to ensure ease of identification on site.

Aluminium Foundry. Molten ingots are used to produce high pressure castings in either LM6 or LM25. Both marine grade alloys.



Anodising is an electrochemical process used to produce durable and decorative finishes on components made of aluminium or aluminium based alloys.

Inspection and packaging of goods ensures that products comply with the detail drawings. Packing lists are created at this point to match up the detail drawings with individual marking of components and case numbers.



ANT ACCESS

INTERNATIONAL LTD



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TUBULAR MARINE GRADE ALUMINIUM HANDRAIL AA401 HANDRAIL

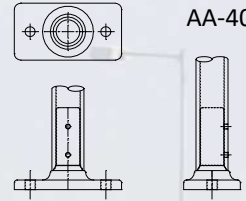
AA401 is a versatile heavy duty aluminium handrail system, constructed from marine grade aluminium alloy materials designed to give maximum strength. AA401 is suited to most situations and is tailor made in component form to suit each individual installations, or in stock lengths for on site fabrication. The aluminium construction offers excellent corrosive resistance in its natural state, this may be further enhanced with surface treatment such as anodising.

The handrails are generally supplied in pre-formed/fabricated bends, being individually marked for easy identification & assembly on site, with the assistance of layout drawings provided. Straight sections of handrail are supplied in standard 6 Mtr lengths for site cutting / assembly.

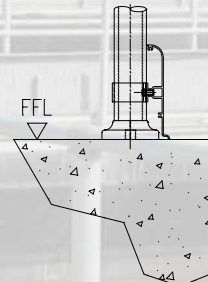
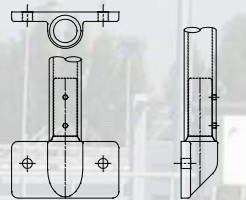
Where handrails are provided for attaching to customers equipment or to building structures, adequate consideration must be given to the design of such structures to resist any loads imposed by the handrails and fixings.



FLAT BASE-
AA-401FB



SIDE PALM
AA-401SP



ALU TOEPLATE AA-401TPt

The AA401 aluminium handrail system is supplied from heavy duty aluminium posts of 50.8mm dia shank, with 38.1mm o/d top and intermediate handrails. The post is drilled to receive the intermediate rail, whilst the top rail is secured via a die cast tee section, all secured via stainless steel grubscrews. The post is supported on high duty heat treated die cast bases, generally drilled to receive M12 fixings. 150mm high toeplate is supplied as required, secured to the handrail posts. 3 hole bases are available if specified / required.

Materials:

Top Tee Section – BS EN 1676
Bases – BS EN 1676
Handrail Tube – BS EN 573 & BS EN 755
(grade 6082)

Head Office: Dawley House, Dawley Brook Road, Kingswinford, UK. DY6 7BB

Tel +44 1384 389750 Email sales@antaccess.uk

Company Registration No. 9757513

ANT ACCESS INTERNATIONAL LTD

Global Suppliers of Quality Handrails, Staircases, Ladders, Platforms & Covers in Aluminium, Stainless Steel and Mild Steel Galvanised



CHAMBER COVERS



CHAMBER COVERS AND SUPPORTS ARE SUPPLIED IN MARINE GRADE 6082-T6 ANODISED ALUMINIUM

ANT ACCESS ORIGINAL DESIGN FLOOR ANCHOR MOUNTS ARE SUPPLIED TO ALL 4 CORNERS OF THE COVERS. THE DESIGN PREVENTS PANELS FROM SLIPPING AT ALL TIMES AND THE FIXING SCREWS ARE CAPTIVE INTO PANELS SO THEY CANNOT BE REMOVED AND LOST.

LIFTING HANDLES ARE FLUSH FITTING TO PREVENT INGRESS OF SAND AND STONES.

SPINDLE ACCESS COVERS LIFT AND HINGE. THE COVERS CAN BE FITTED DURING THE MANUFACTURE PROCESS OR CAN BE SITE INSTALLED TO ENSURE ALIGNMENT WITH THE VALVES BELOW.



RAISED HINGGED COVERS



RAISED HINGGED ACCESS COVERS WITH INTERNAL SAFETY GRILL

COVERS AND SUPPORT FRAME FABRICATED FROM MARINE GRADE 6082-T6 ANODISED ALUMINIUM

SUPPLIED WITH EPDM RUBBER GASKETS WHERE ODOUR CONTROL IS REQUIRED.

COVERS ARE OPENED WITH THE ASSISTANCE OF HEAVY DUTY ST.ST GAS STRUTS.

ST.ST LOCKING MECHANISM ALLOWS COVERS TO BE PADLOCKED TO PREVENT UNAUTHORISED ACCESS





ANODISED ALUMINIUM ODOUR CONTROL ROOF COVER TO BIO-REACTOR TANKS.

BELOW PHOTO SHOWS THE INSTALLATION OF THE ALUMINIUM SUPPORT TRUSSES, ASSEMBLED WITHIN THE TANK BEFORE BEING CRANED INTO POSITION





ANODISED ALUMINIUM ODOUR CONTROL ROOF COVER WITH ALL COVERS PROVIDING HINGED ACCESS WITH SAFETY GRILL TO ENTIRE ROOF.
BELOW PHOTO SHOWS A CIRCULAR ODOUR CONTROL COVER.



ALUMINIUM GRATINGS



GRATINGS SUPPLIED IN MARINE GRADE 6082-T6 ANODISED ALUMINIUM.

SUITABLE FOR VENTILATION, HIGH VISIBILITY AND FOR RAINWATER.

CAPABLE OF DESIGN LOADS IN EXCESS OF 7.5kN/M²

PICTURE SHOWN HAS ELECTRO-POLISHED STAINLESS STEEL HANDRAILS AND TOEPLATE.





PLATFORMS & STAIRS



ALUMINIUM WALKWAYS,
HANDRAILS AND STAIRCASES
SUPPLIED FOR A PUMP STATION



ALUMINIUM HANDRAILS



HANDRAILS SUPPLIED IN MARINE GRADE 6082-T6 ANODISED ALUMINIUM.

DESIGN LOADS - 0.74 Kn/M

LEFT PICTURE SHOWS ALUMINIUM HANDRAILS TO STAIRCASE WITH ALUMINIUM TREADS C/W GOLD NOSING.





ALUMINIUM LADDERS





CENTRAL PLENUM EMERGENCY ESCAPE WALKWAY
ALONG LIGHT RAILWAY SYSTEM





ALUMINIUM GANTRY BEING TESTED BY
LLOYDS BRITISH—UK



STAINLESS HANDRAILS



STAINLESS GRATINGS



STAINLESS LADDERS





ANT ACCESS
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incorporating
European Platform Systems Ltd



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FM 647656



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