



SpecialONE

Goods and Vehicle Lifts

Impianti Montacarichi e Montauto

Lastenaufzüge und Auto-Aufzüge

Équipements Monte-charges et Monte-voitures



In order to design your goods lift it is important to determine:

- the type of goods to be transported
- the drive system (hydraulic or traction)
- the lift car dimensions, the desired aesthetics and required accessories

The specification process continues with the definition of the access doors.

Our custom capabilities allow us to manufacture practically any lift based on your specifications.

Our extensive experience enables us to develop the best solution for your project; LIFTINGITALIA's design staff is ready to custom-engineer your goods lift, from control system to fixtures, to meet the special demands of your assignment.



Per la progettazione di un montacarichi è necessario definire:

- il tipo di carico da trasportare
- la tipologia di trazione (idraulica o elettrica)
- le dimensioni della cabina, l'estetica e gli accessori

La definizione dell'impianto prosegue con la scelta delle porte di accesso.

Possiamo realizzare qualsiasi impianto in funzione delle vostre specifiche.

La nostra esperienza ci permette di affrontare qualsiasi progetto ci chiediate, lo staff di LIFTINGITALIA è pronto a personalizzare il vostro montacarichi, dal sistema di trazione alle dimensioni fino alle finiture, per venire incontro a tutte le vostre esigenze.



Für die Bearbeitung eines Lastenaufzuges, sind die folgende Informationen notwendig:

- Lastungstyp
 - die Steuerungstyp (hydraulisch oder elektrisch)
 - Kabinenabmessung, Kabinenausstattung und die Zubehören
- Danach, Eingangstüren definieren.

Wir können jede Anlage vorbereiten, die Ihre Konfiguration entspricht.

Nach unserer Erfahrung, koennen wir jede Anfrage verfügen; Liftingitalia ist bereit Ihre Lastenaufzug, technisch und ästhetisch, zu personalisieren.



Pour projeter un monte-charge doivent être au préalable définis:

- le type de chargement à transporter
- la typologie de traction (hydraulique ou électrique)
- les dimensions de la cabine, l'esthétique et les accessoires

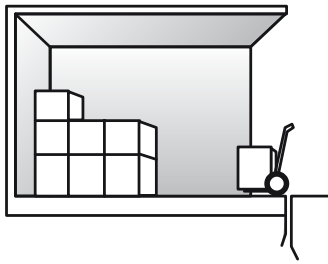
La définition de l'équipement nécessite enfin du choix des portes d'accès.

Nous pouvons réaliser n'importe quel équipement en fonction de vos indications.

Nôtre expérience nous permet d'aborder n'importe quelle demande de projet, l'équipe LIFTINGITALIA est en mesure de personnaliser votre monte-charge, du système de traction aux dimensions jusqu'aux finitions afin de répondre pleinement à vos exigences.

LIFT LOADING CLASSIFICATIONS

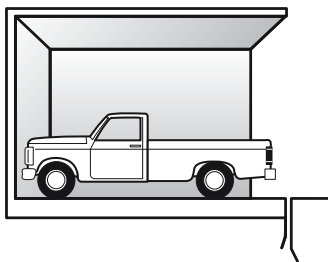
Class A



General Goods Loading

Where the load is distributed, the weight of any single piece is not more than 1/4 the capacity of the lift and the load is handled on and off the car platform manually or by means of hand trucks.

Class B



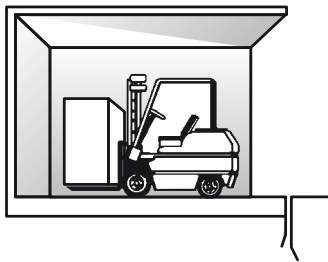
Motor Vehicle Loading

The freight elevator is used solely to carry trucks or passenger vehicles up to the rated capacity of the elevator.

A goods lift might travel:

- with passengers through car operating panel (if compliant with EN 81-1.2)
- without passengers through floor landing panel (if compliant with the Machinery Directive)

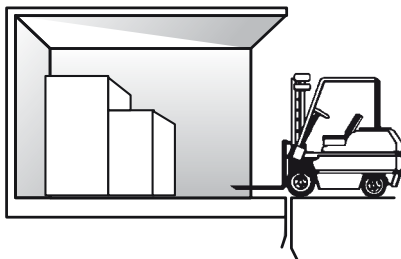
Class C1



Industrial Truck Loading

The freight elevator can be used to carry a four-wheeled vehicle and its load together as a single unit. The combined weight of the vehicle and the load cannot exceed the rated capacity.

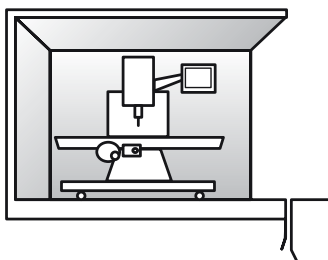
Class C2



Goods Loading by means of Industrial Trucks

The rated capacity only refers to the transported goods. Only during loading and unloading a four-wheeled industrial truck may be used, bringing the total load on the platform up to a maximum of 150% of the rated capacity.

Class C3

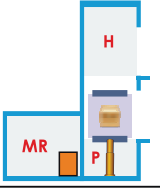
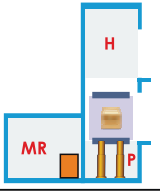
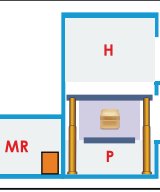
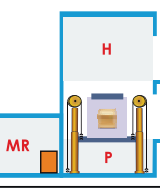


Other Forms of Industrial Truck Loading

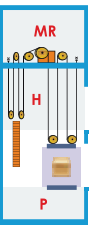
During the loading and unloading process, the rated capacity must never be exceeded.

DRIVE SYSTEMS

HYDRAULIC GOODS LIFTS

Diagram	Drive System	Capacity (kg)	Total Upload (kg)	Max Speed (m/s)	Max Travel (m)
	IN-GROUND (HOLED) DIRECT DRIVE (1:1) one central cylinder	1600	3000	0.63	18
		2500	6000		
		3500	8000		
		5000	12000		
		8000	17000		
	IN-GROUND (HOLED) DIRECT DRIVE (1:1) two central cylinders	5000	12000	0.63	18
		8000	17000		
		10000	22000		
	HOLELESS DIRECT DRIVE (1:1) two side cylinders	2500	6000	0.63	12
		3500	8000		
		5000	12000		
		8000	17000		
		10000	22000		
	HOLELESS ROPE DRIVE (2:1) two side cylinders	2500	6000	0.63	25
		3500	8000		
		5000	12000		
		8000	17000		
		10000	22000		
made to order		Capacities above 10000 kg up to 25000 kg			

TRACTION GOODS LIFTS

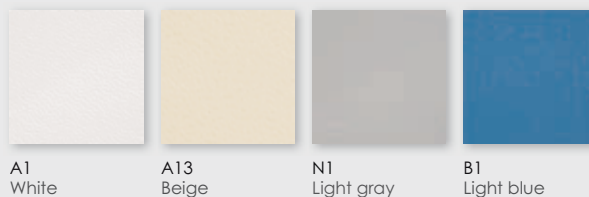
Diagram	Drive System	Capacity (kg)	Total Upload (kg)	Max Speed (m/s)	Max Travel (m)
	1:1 ROPING central rooftop attachment	1600	4000	1.00	30
		2500	6000		
	2:1 ROPING one or two rooftop parallel sheaves	1600	4000	1.60	70
		2500	6000	1.00	
		3500	8000		
	2:1 ROPING one rooftop angled sheave	1600	4000	1.60	70
		2500	6000		
	2:1 UNDERSLUNG ROPING two underside angled sheaves	1600	4000	1.60	70
2500		6000	1.00		
3500		8000			
	4:1 ROPING one or two rooftop parallel sheaves	5000	12000	1.00	45
		8000	17000		
	4:1 UNDERSLUNG ROPING two underside angled sheaves	5000	12000	1.00	45
		8000	17000		

MR = Machine room
 H = Headroom
 P = Pit

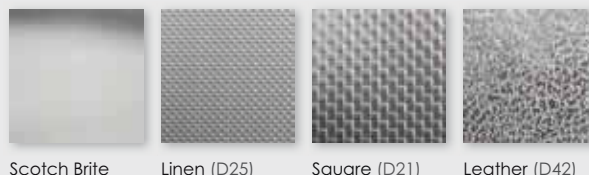
COLOURS and MATERIALS

Walls

Skinplate Pre-coated Steel



Stainless Steel



Zinc-plated Steel

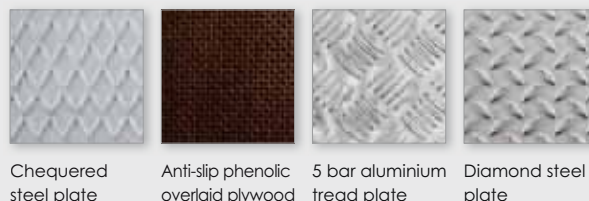


Powder Coated Steel



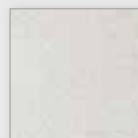
RAL colour range

Floor



Ceiling

Powder coated steel



White orange peel

Stainless Steel

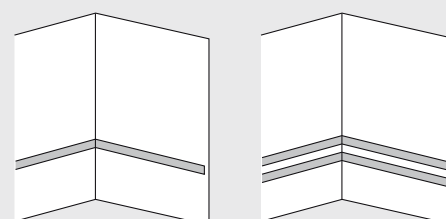


RAL colour range



Scotch Brite

Wall Guards



Single

Double

- Available options:
- **Timber**
 - **Dark gray PVC**
 - **bespoke solutions**

CAR LIFT SPECIFICATIONS

Dimensions	width up to 4000 mm depth up to 8000 mm height up to 4000 mm custom sizes available
Floor	chequered steel plate 5 bar aluminium tread plate stainless steel
Walls	skinplate pre-coated steel stainless steel zinc-plated steel powder coated steel
Ceiling	white "orange peel" coated steel
Wall Guards	single or double
Sill	reinforced aluminium carbon steel stainless steel
Lighting	recessed fluorescent lights



DOOR SPECIFICATIONS

Dimensions	Width up to 4000 mm Height up to 3900 mm
Drive system	VVVF drive
Finish	skinplate pre-coated steel stainless steel powder coated steel
Sill	reinforced aluminium carbon steel stainless steel
Door leaves	2, 4 or 6 central opening 2 or 3 side opening (other options available on request)
General safety	infrared light curtain
Fire safety	in compliance with local regulations, fire classes E120 - EI60 - EI120 in accordance with EN81.58 (optional)



15.000 kg

Capacity	15.000 kg
Total Upload	25.000 kg
Travel	7.800 mm
Car dimensions	CW 11.700 mm CD 1.800 mm
Drive system	two Ø200 mm cylinders - direct drive (1:1)
Application	Handling of steel tubes up to 11 m long



10.000 kg

Capacity	10.000 kg
Total Upload	18.000 kg
Travel	6.000 mm
Car dimensions	CW 7800 CD 4000 CH 2500 mm
Drive system	two Ø200 mm three stage telescopic cylinders - direct drive (1:1)
Application	Handling of large scale machine tools components





6.000 kg

Capacity	6.000 kg
Total Upload	13.500 kg
Travel	6.500 mm
Car dimensions	CW 7.000 mm CD 3.000 mm CH 3.000 mm
Drive system	two Ø150 mm cylinders- direct drive (1:1)
Application	Machine tools handling



10.000 kg

Capacity	10.000 kg
Total Upload	19.00 kg
Travel	19.500 mm
Car dimensions	CW 7.800 mm CD 4.000 mm CH 2.500 mm
Drive system	two Ø230 mm cylinders - roped-hydraulic indirect drive (2:1)
Application	Handling of overhead crane trolleys loaded with panels, rolled directly onto a runway beam extension within the lift car



