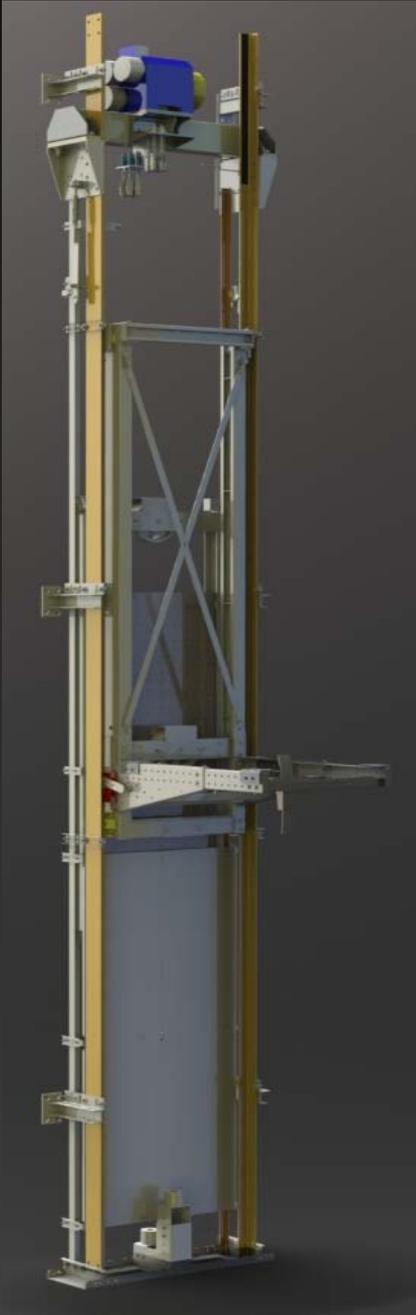


# mini GRL



...the silence already is a reality



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Tel.: 34 976 69 45 00 Fax.:34 976 68 47 33  
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# mini GRL

**mini** GRL is an electric lift designed for be installed in buildings who has not machines room.

The gearless machine reduce notably his size and improve substantially the performance of the lift, diminishing the consumption.



The mechanical design has been studied in order to obtain in every shaft the better car dimensions.

**mini** GRL is an electric lift designed and manufactured with Felesa's confirmed quality, company with more than 30 years of experience in the research, development and manufacture of elevators and goodslifts.



# mini GRL

- Load of 225/630Kg
- Rated speed 1 m/s - 1,6m/s
- Acting 2:1
- Machine placed on top of shaft, in the guides
- Reduced shaft dimensions
- Minimum head room 3400mm
- Minimum pit 1100mm
- Quick and safe assembly
- The machine is raised easily due to the reduced machine's load (less than 150Kg)
- Elevator in compliance with UNE-EN 81-1 Appendix 2



## Precision and confort

Inverter Fuji *FRENIC lift*, the ideal combination of strength, quality, reliability and confort:

- High overload capacity
- Static auto-tuning
- Excellent rollback avoidance
- Noiseless
- Easy remote rescue operation with SAI and batteries, operated from controller box
- RDD function, signal for indication of the recommended direction
- Advanced functions for maintenance, end of life warning signal,...



LANCOR gearless machine, synchronous with permanent magnets:

- Low consumption
- Reduced maintenance
- Gearless
- Noiseless
- High performance
- Reduced load (less than 150Kg)
- European supplier

The machine is provided with a disk brake, which awards great security and confort in the stoping

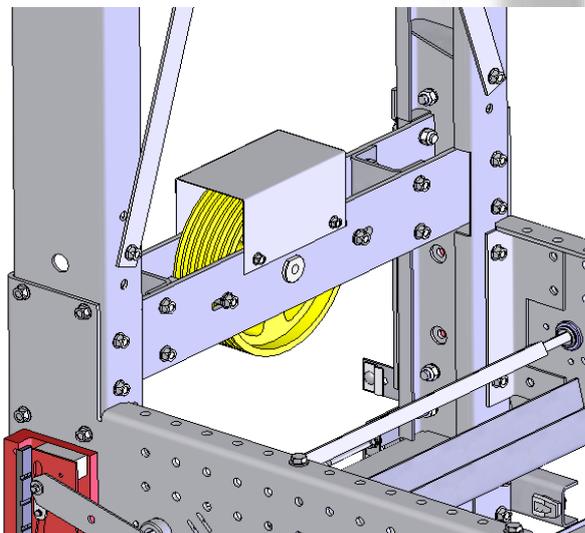


# mini GRL

## Intelligent design

Reduced cabinet into the door frame of the last floor, characteristics:

- Reduced size
- Provided with an easy remote rescue, manual or automatic
- Indication of speed, direction and unlocking zone
- Bidirectional communication with car



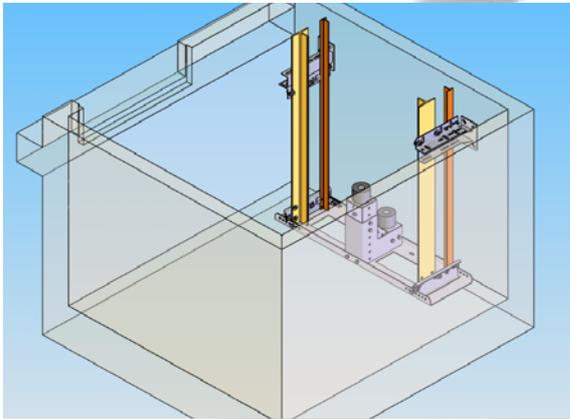
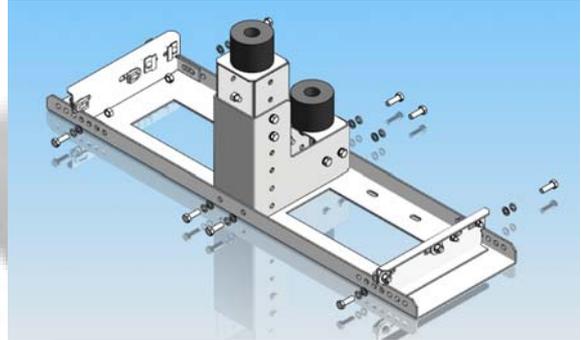
Acting 2:1, which reduce substantially the machine size, therefore the assembly is easier



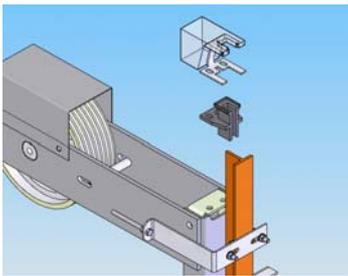
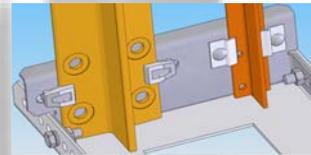
# mini GRL

Easy assembly

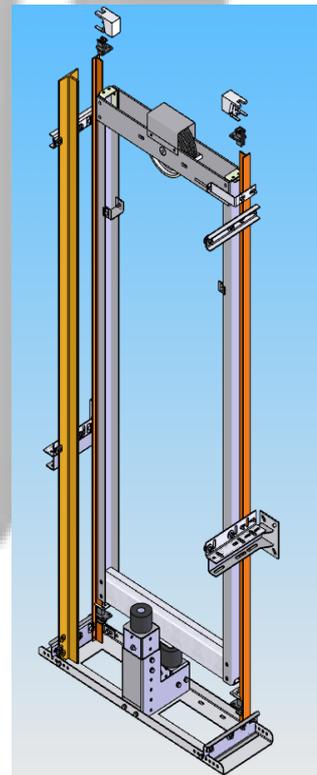
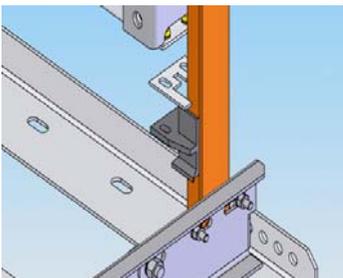
Pit buffers



Base of guides



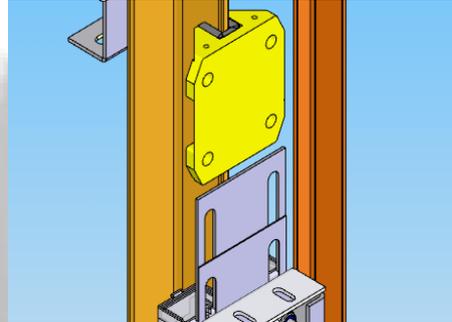
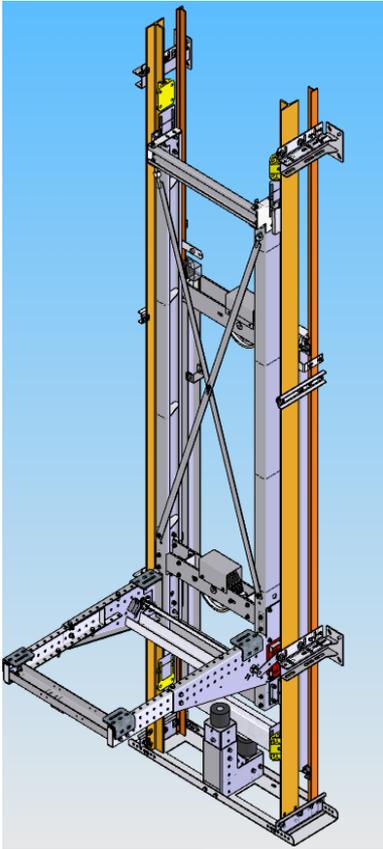
Counterweight frame



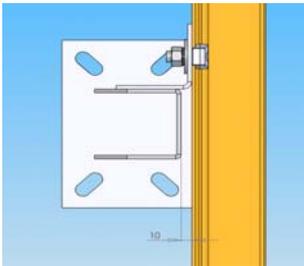
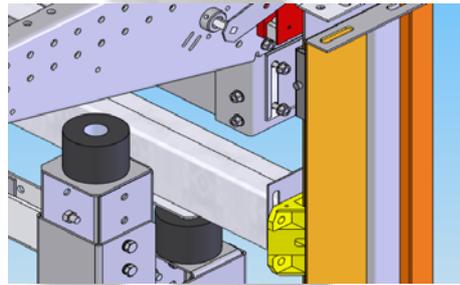


# mini GRL

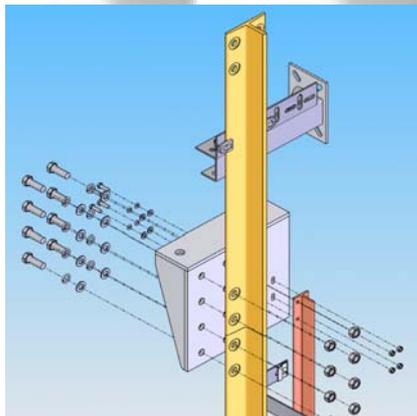
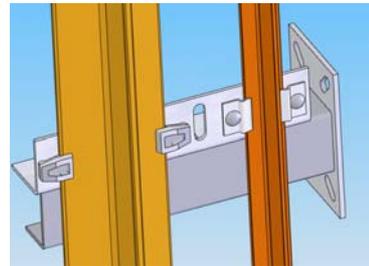
Easy assembly



Car frame



Guides brackets

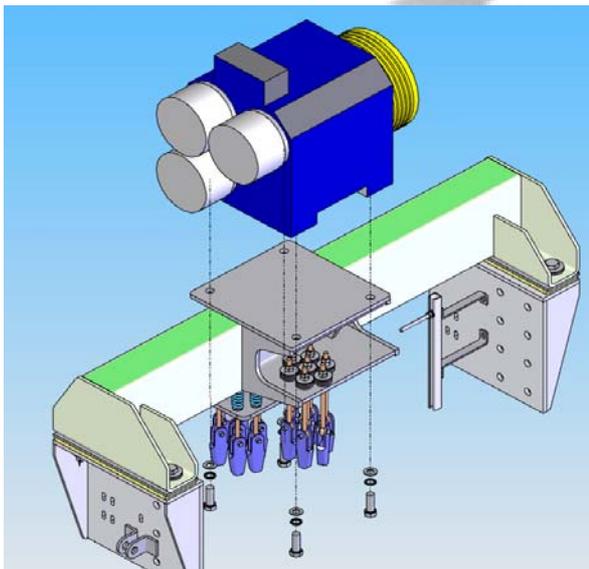
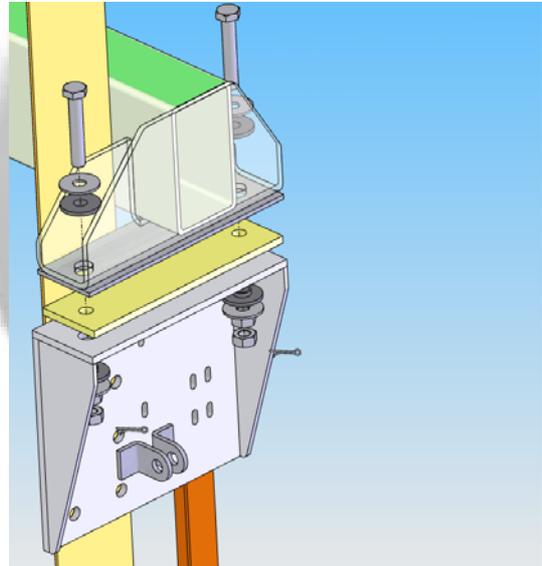




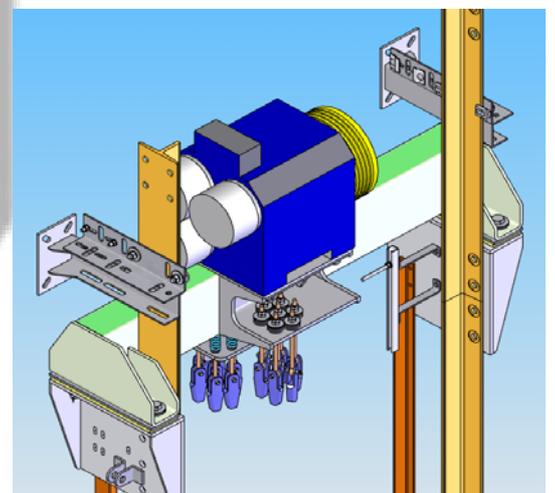
# mini GRL

Easy assembly

Machine frame



Machine

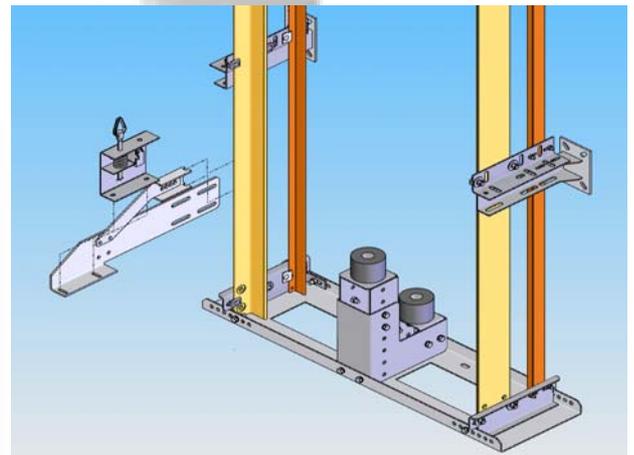
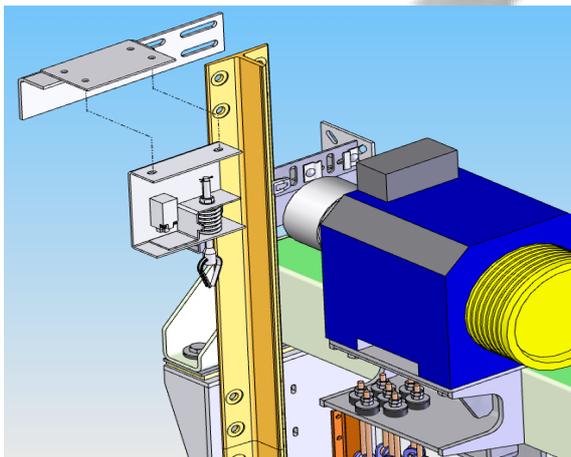
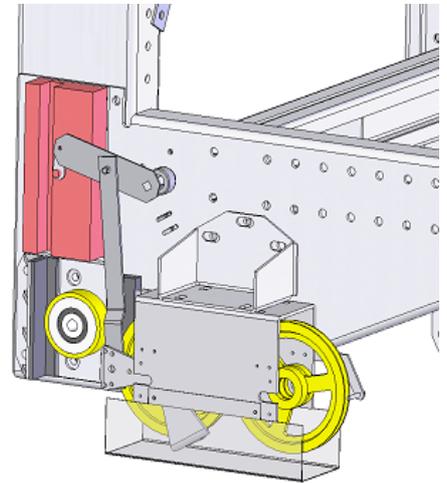




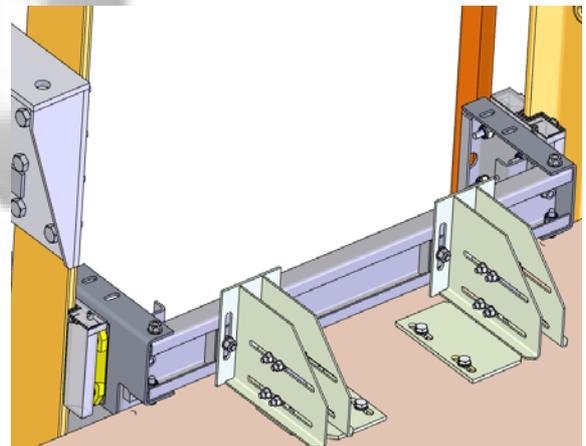
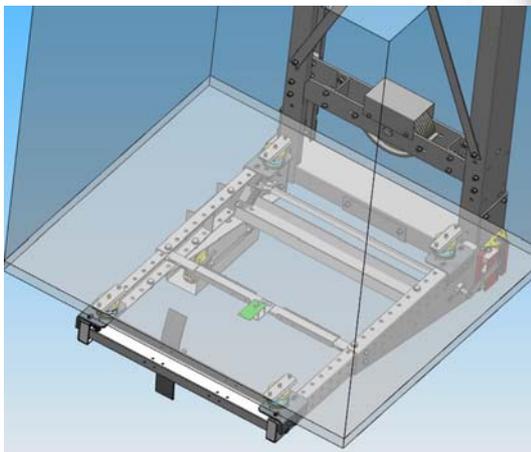
# mini GRL

Easy assembly

Overspeed governor and tensors



Assembly car on frame

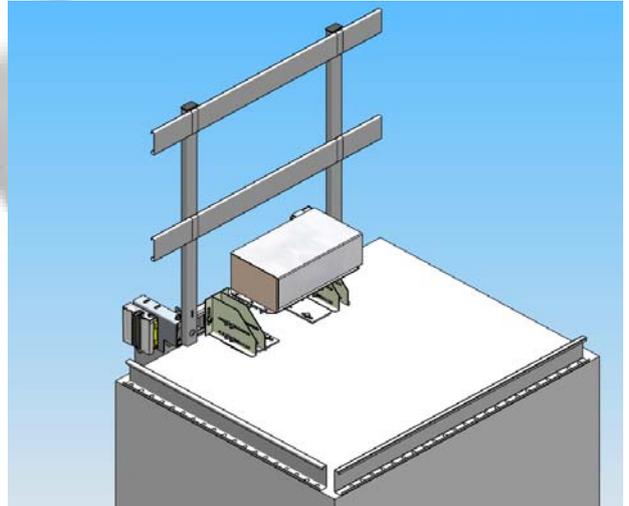




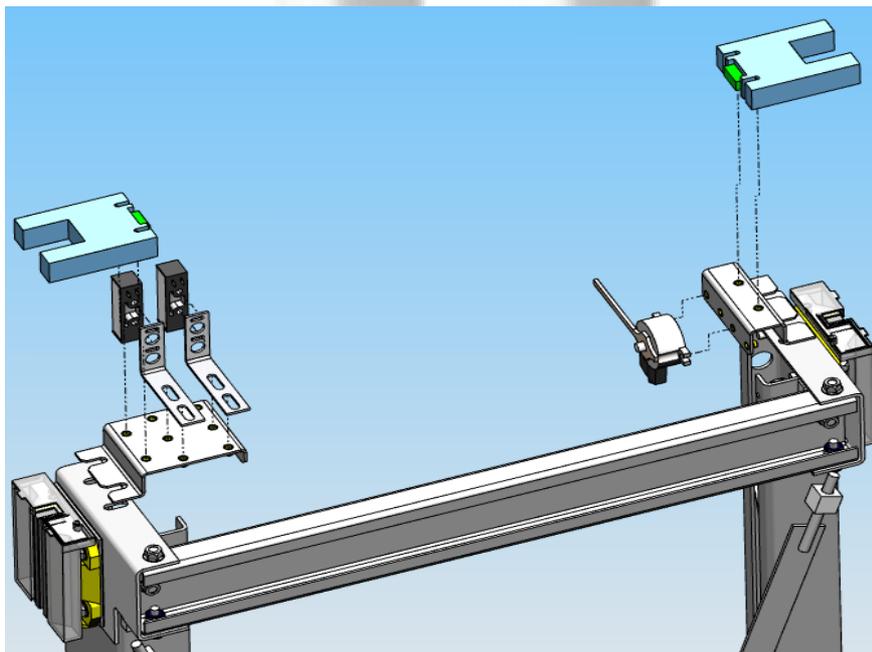
# mini GRL

Easy assembly

Inspection box and roof  
handrail



Electrical installation





# mini GRL

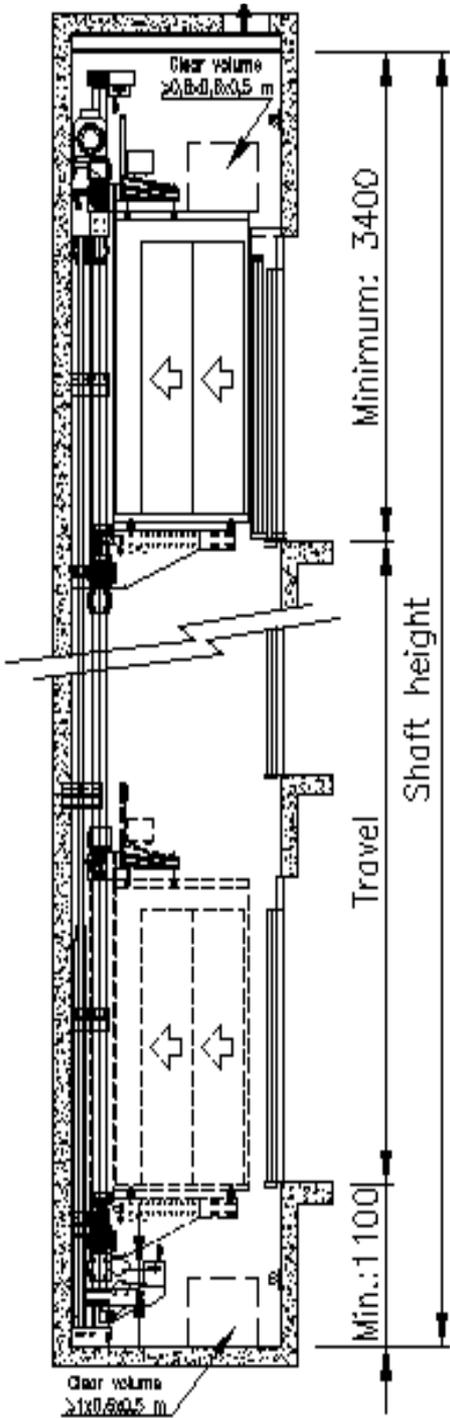
## Technical data

CHARACTERISTICS		
TYPE OF DRIVE	Electrical	
ACTING	2:1	
RATED SPEED	1 m/s – 1,6 m/s	
LOAD	225 / 630Kg	
ACCESS	Simple / Double (90 -180°)	
MAXIMUM TRAVEL	45 m	
MINIMUM PIT HEIGHT	1100mm (Standard 1200mm)	
MINIMUM HEADROOM HEIGHT	3400mm (Standard 3600mm)	
HANGING	225-480Kg: 5 steel ropes 6,5mm 525-630Kg: 7 steel ropes 6,5mm	
SHAFT MATERIAL CONSTRUCTION	Beton / Brick / Steel profile	
CONTROLLER LOCATION	Into the door frame of the last floor	
ELECTRICAL SUPPLY	380 V-III 50 – 60 Hz	
POWER	Speed=1m/s	Speed=1,6m/s
	225-480Kg; 3,4Kw; 8A 525-630Kg; 4,4Kw; 10A	225-480Kg; 5,3Kw; 13A 525-630Kg; 7,0Kw; 16A



# mini GRL

## Technical data



	Load (Kg)	Shaft AxB (mm)	Interior car CxD (mm)	Clear open. E(mm)
<b>1 Access</b>	320	1350x1400	840x1010	700
	480	1500x1500	1000x1250	800
	630	1600x1650	1100x1400	800
<b>2 Access 180°</b>	320	1300x1500	740x1170	700
	480	1500x1600	1100x1400	800
	630	1600x1800	1100x1400	800
<b>2 Access 90°</b>	320	1450x1400	840x1010	700
	480	1600x1550	1000x1250	800
	630	1700x1700	1000x1400	800

