

Southwell 
Lifts & Hoists | Australian since 1945

36 Edward St, Camden NSW Australia

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southwell.com.au





Southwell Engineering

Southwell Lifts & Hoists deliver engineering excellence, value, professional integrity, robust and dependable products and revel in developing solutions for large and complex challenges. We guarantee your project is operational, on-time, on budget with no hassles.

With over 75 years business experience we have proven we're here for the long term. The success and growth of our company can be attributed to the reliability of our products and services over the test of time.

Our commitment:

- **Built tough and built to last**
 - **Australian owned**
 - **Locally designed and engineered**
 - **European partners with high quality products and parts**
 - **Service support by our factory-trained technicians**
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Atlas Gigas

Atlas Gigas is the ideal traction solution for the Self Storage industry, with rated loads of 1050-2500kg, depending on your needs. Featuring a premium quality gearless motor, Atlas Gigas is equipped with a state-of-the-art inverter that provides outstanding ride quality and exceptionally low energy consumption and sound levels. Customise your lift by selecting from a wide choice of design options and finishes.



Atlas Gigas is now also available with a Machine Room (MR) option.



TECHNICAL ADVANTAGES

2:1 traction galvanised car sling. Finite Elements Methods used for structural integrity analysis

Galvanised counterweight frame

Extended life span plastic pulleys to reduce energy consumption and sound levels

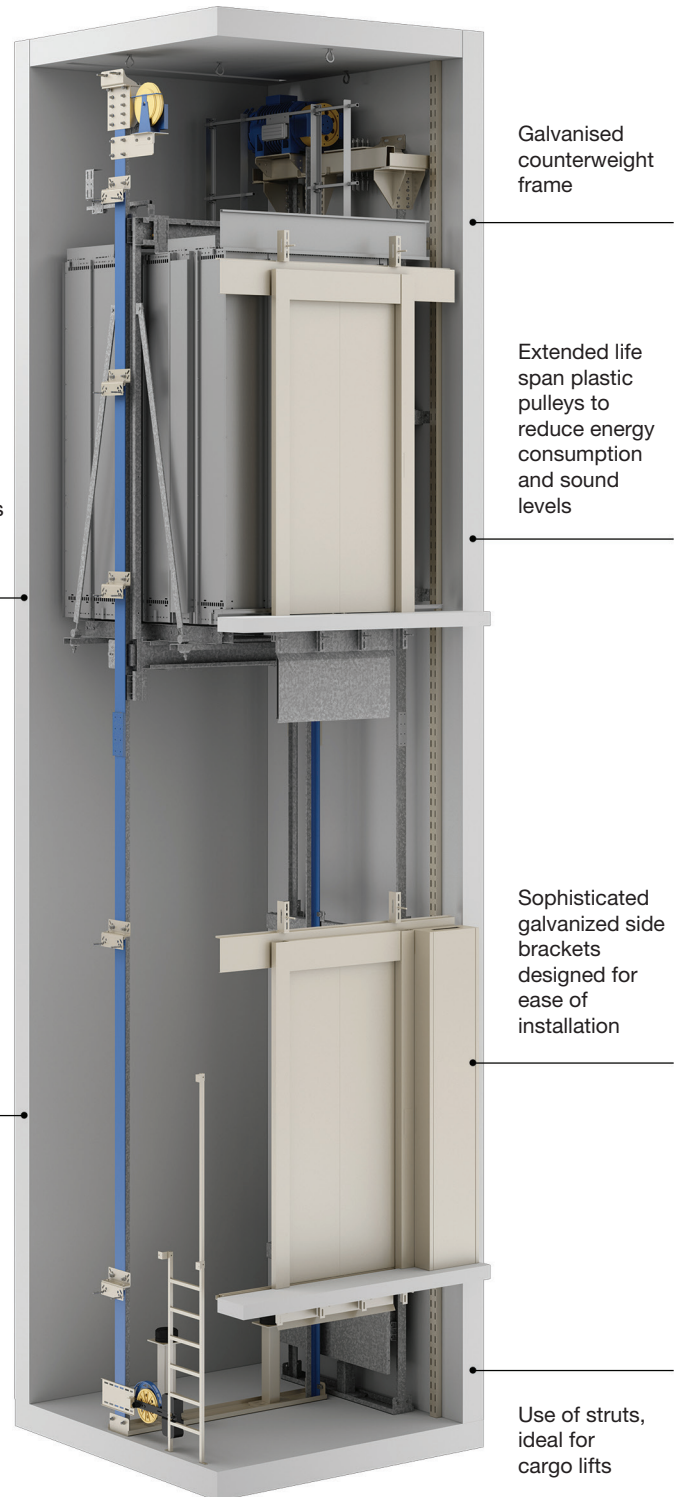
Sophisticated galvanized side brackets designed for ease of installation

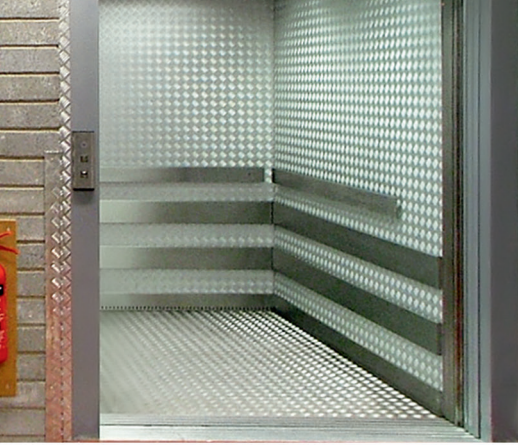
Use of struts, ideal for cargo lifts

Safety gear with progressive movement

Narrow controller suitable for installation within the doorframe to economise space

* Under conditions, please contact your sales engineer for more information





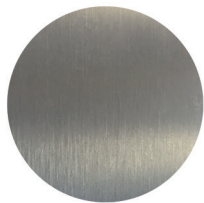
Component

Lift 1 & 2

Cabin Type

Modern Life L310
(Indicative only)

STANDARD SELF STORAGE FINISHES



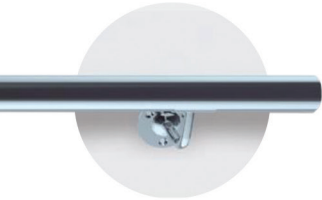
Cabin Finishes

Front returns, header and corners: Satin Stainless Steel
Cabin side walls: Satin Stainless Steel
Rear Wall: Satin Stainless Steel
Skirting - floor and corners: Satin Stainless Steel



Ceiling

Type: 07 with 10 spot LEDs,
suspended false ceiling
Finish: Satin Stainless Steel



Handrails & Bumper Rails

Type: K6, Ø 38mm
Finish: Satin Stainless Steel
Location: Both Side Walls



Double Bump Rails: 300mm
& 600mm off floor
Finish: Satin stainless steel



Flooring

Type: Zinc Plated Steel
Checker Plate



Car Doors

Type: 4 panel, centre-opening
Door and Frame Finish: Satin Stainless Steel



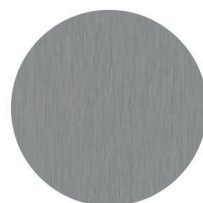
Landing operating Panel (LOP)

Type: LCH AUS Flush Mounted
Finish: Satin Stainless Steel
Location: In door frame
Display: LCD



Buttons (LOP & COP)

Type: HA2300, round, brail, dual illumination (white and blue)



Door Sill

Aluminium



Car Operating Panel (COP)

Type: KCH LCD Flush Mounted, Full Height, Qty: 2, 400mm from front wall.
Finish: Satin Stainless Steel

VERSATILITY OF USES

Southwell's expertise and wealth of technical knowhow ensures the high technological performance of their complete range of products for goods lifts and freight hoists within self storage facilities. Innovative design unites with customised solutions to fulfil your every requirement.

FEATURES

- Maximising the 2500kg capacity lift car size to suit EN81-20 standards
- Fast speed 1m/second
- Stylish and robust finish to suit premium self storage requirements
- Stainless steel bump rails for wall protection
- Tall door opening 2200mm
- 1800mm wide door opening

General Lift Specification

SPECIFICATION	DETAILS
Lift Code	AS 1735 Part 1 - General Passenger Electric Lift AS 1735 Part 12 - Facilities for persons with disabilities NCC - National Construction Code
Lift Type	Gigas - MRL Traction Lift
Control	Simplex
Features	Power supply 415v 3 Phase - 50Hz, VVVF drive, microprocessor based, supervisory controlled with standard features, including fault code analysis display, door nudging, phase failure/reversal protection, dwell time, load weighing. Automatic Re-Leveling and A3/UCM compliance.
Voice Annunciation	Included

Key Specification - Self Storage Solution

SPECIFICATION	DETAILS
Load & Speed	33 Passenger, 2500 kg at 1.0 m/s
Car Dimensions	2100W x 2350D x 2300H mm
Car Entrances	Single Entry Car
Number of Stops	Up to 12
Fire Service	Included in car operating panel & integrated in landing button panel. Level G
Traction Drive	Gearless
Motor/Speed Control	VVVF - Voltage Current Regulator. Floor levelling accuracy ±5mm
Starts Per Hour	Compliant to 180 starts per hour
Controller Location	The control cabinet will be located on the top level, adjacent or integrated in the lift shaft
Access to Cabinet	A clear permanent access of W 600 x H 1980 mm and lighting must be provided to the control cabinet



Doors

SPECIFICATION	DETAILS
Door Type	4PC0 Piece Centre Opening - with Full Height Infra-Red Sensory Device, rated to 120 mins of fire resistance
Door Control	VWF inverter, for smooth operation
Door Surround	Box Frame (Groutless) Fire rating / Certification not included in Southwell's scope of works. Caulking of gaps included to a max. gap of 35mm
Clear Door Opening	1800W x 2200H mm
Finish	Brushed Stainless Steel

Lift Car Finishes

SPECIFICATION	DETAILS
Front Walls	Satin Stainless Steel
Side Walls	Satin Stainless Steel
Rear Walls	Satin Stainless Steel
Ceiling Type	Type: 07 with 10 spot LEDs, suspended false ceiling Finish: Satin Stainless Steel
Ceiling Finish	Mirror polish stainless steel
Handrail	Both side walls, compliant to AS1735.12
Lighting	LED down lights. Incorporated with emergency backup
Flooring	Zinc Plated Steel Checker Plate

Shaft Enclosure

SPECIFICATION	DETAILS
Travel (mm)	Per architectural drawing. Consecutive floor to floor dimensions to be provided on placement of order. This dimension is critical to +50 mm
Headroom (mm)	Starting 4,100 mm. Measured from finished floor level, of the top landing served, to the underside of the top of the shaft
Pit Depth (mm)	Minimum 1,600 mm (Measured from finished floor level to base of pit)
Shaft Width (mm)	3,500 mm (n.b. shaft tolerances must be -0/+20mm)
Shaft Depth (mm)	2,600 mm (n.b. shaft tolerances must be -0/+20mm)



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