

Hydraulic Lifts

We build hydraulic lifts up to 16 tons capacity and more on request.



- Passenger lifts
- Cargo lifts
- Control blocks and pump units
- Landing devices and pressure pipelines



ALGI-Hydraulic – *Standard for performance and precision worldwide*

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Quality and precision



Photos above and left: Production hall in plant II Kiedrich/Rheingau

Our production program comprises the manufacture of single-stage jacks and multi-stage synchronous telescopic jacks.

Qualified personnel, many years of experience and the use of production machines designed in-house for various production steps guarantee the precision and quality of the ALGI Hydraulik jacks.

Beyond our standard program we offer hydraulic systems with total loads of up to 50 tons and travel heights of up to 40 m. Our hydraulic jacks have been setting standards for decades worldwide.



Panorama lifts with parallel-positioned single-stage jack.

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Performance and travelling comfort



The quality of a lift can be most clearly determined from its performance, safety and travelling comfort.

ALGI lifts offer a particular degree of these qualities, especially in systems with high payloads and great travel heights.

This is where decades of experience and the cooperation with customers in hydraulic construction prove advantageous.



- 1 and 2 : Mainz, theatre stage set lift,
total load, 12300 kg,
delivery height 24m
central jack 1:1
- 3: Vienna, museums quarter,
total load 16000 kg,
delivery height 33m,
double pistons lateral 1:1
- 4 and 5: Frankfurt trade fair,
one of four cargo lifts
equipped with ALGI hydraulics,
total load 30t each,
delivery height 15m,
double piston 1:2

We thank the companies SIEBEN,
KOEBERL-HAUSHAHN and LOEDIGE
for their support in procuring
photographic material. .

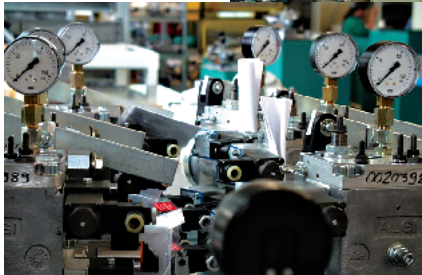
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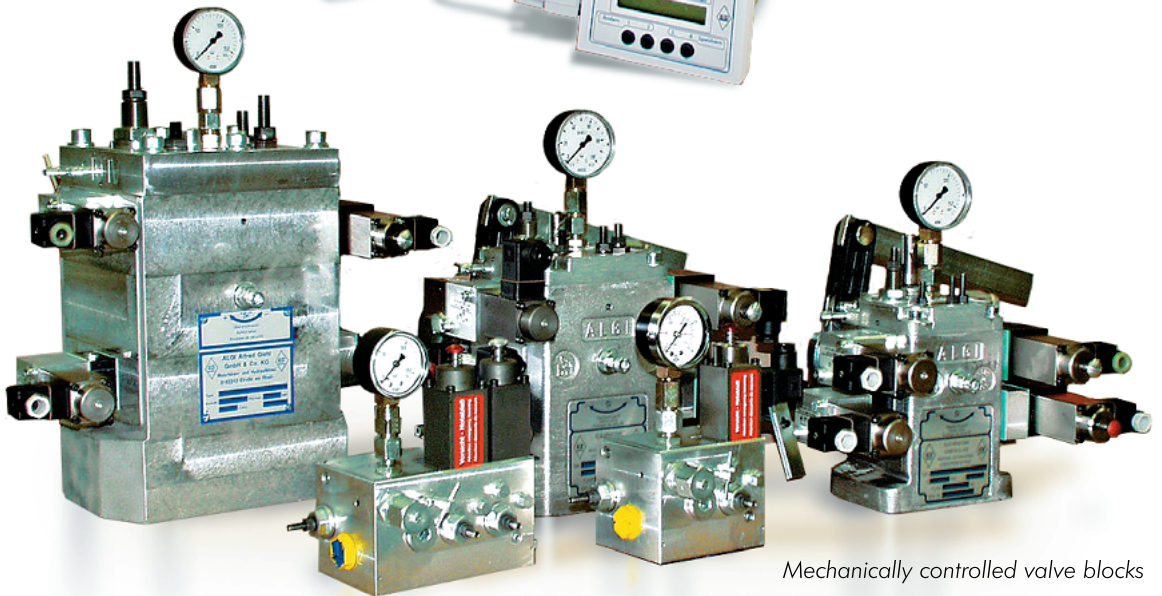
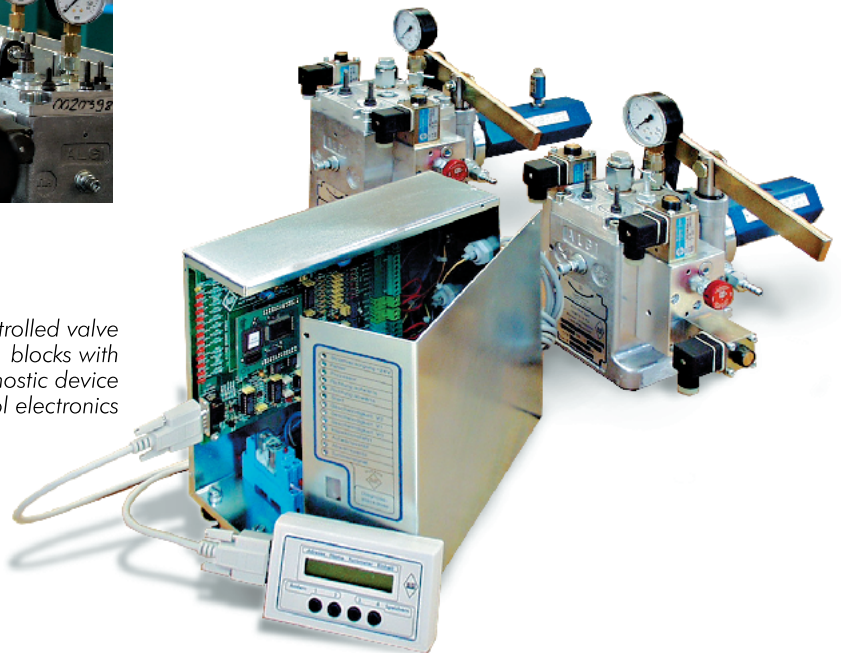
Valve blocks



In conjunction with our efficient jacks, the mechanically or electronically controlled ALGI valve blocks ensure maximum travelling comfort and safety.



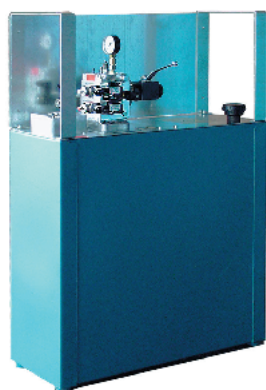
Electronically controlled valve blocks with diagnostic device and control electronics



Mechanically controlled valve blocks

Depending on the desired travelling characteristics, the mechanical valve blocks can be equipped with up to four solenoids. The valve blocks developed by ALGI are available up to a flow rate of 800 l/min.

Drive units



1



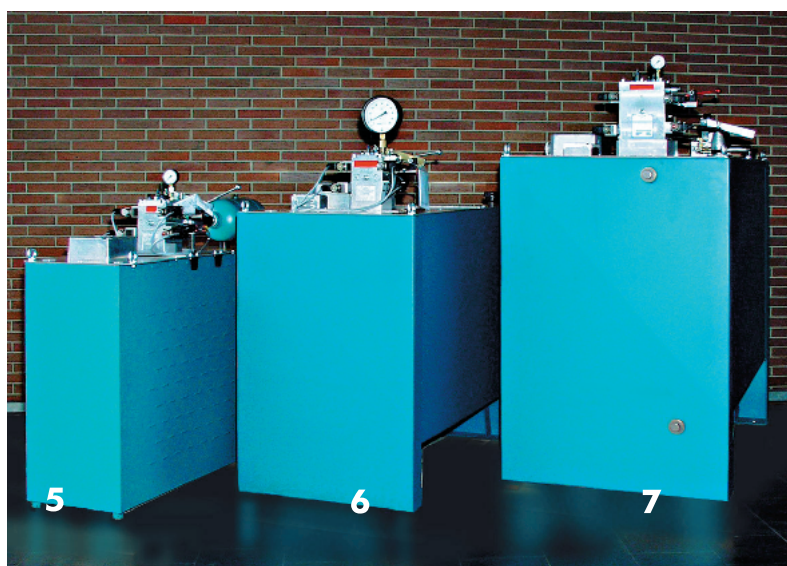
2



3



4



We supply hydraulic drive units with pump performances up to 800 l/min.

Units can be combined into multiple groups for higher performances.

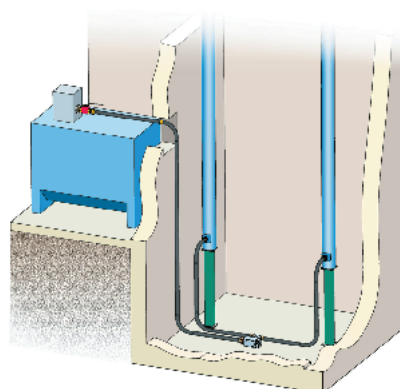
Photos:

- 1. Compact drive unit
- 2. & 3. Drive units for roll tank and under-floor lifts up to 1000 kg total load
- 4. Drive unit for small lifts with lockable switching cabinet
- 5. – 7. Standard drive units for passenger and goods lifts.



We design pressure pipelines for hydraulic systems and manufacture these according to the applicable guidelines.

Pressure pipelines





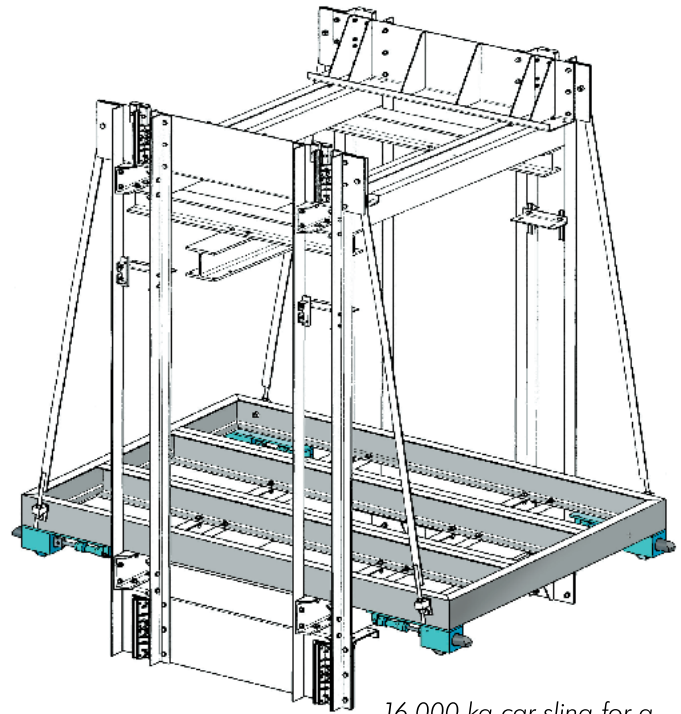
Car sling and configurations

Our kit program for hydraulic lifts comprises the supply of jacks, drive units and car slings.

We supply series-produced car slings for lift systems with a total load of 16 tons for a wide range of jack configurations.

Total load, delivery height and cabin size are the factors defining the possible configurations.

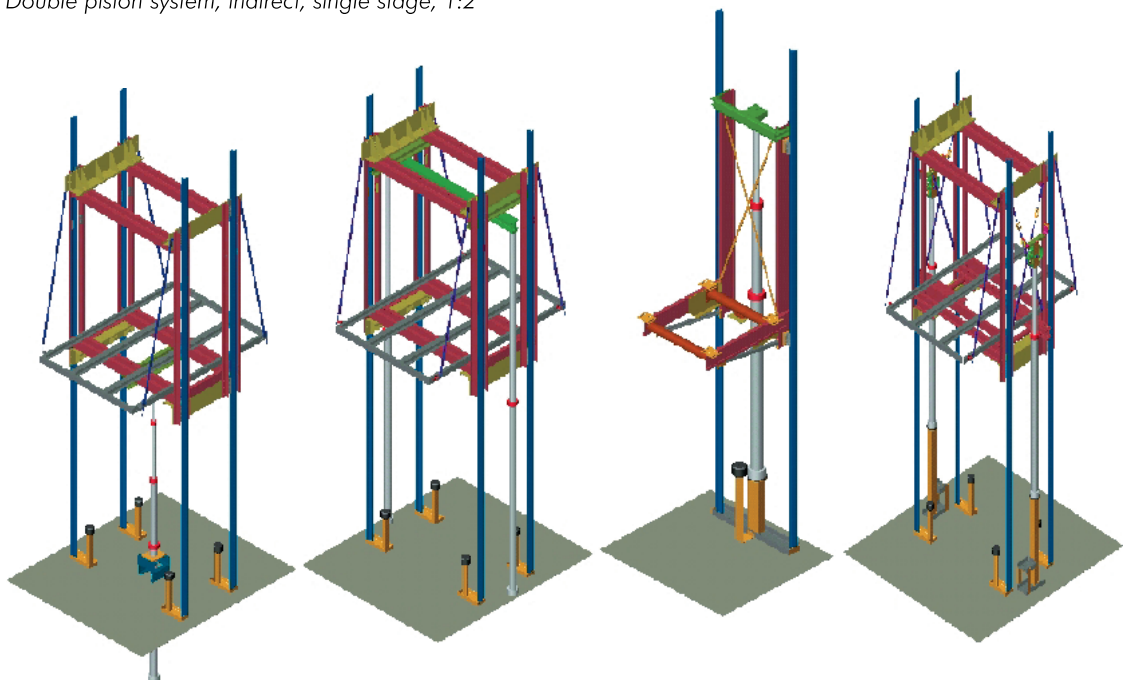
Beyond our standard program we offer special designs for car slings upon request.



16.000 kg car sling for a 1:1 double piston system

The shown hydraulic system diagrams are a selection from our product range. Starting from the left, the figures show:

- Telescopic jack multi-stage, central arrangement, 1:1
- Double piston system direct, single stage, 1:1
- Jack, lateral, multi-stage, 1:1
- Double piston system, indirect, single stage, 1:2





Landing devices

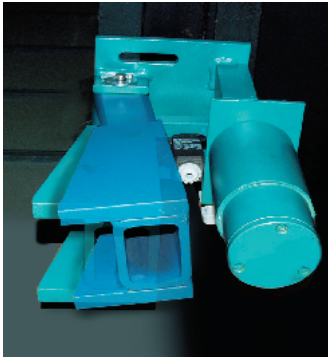


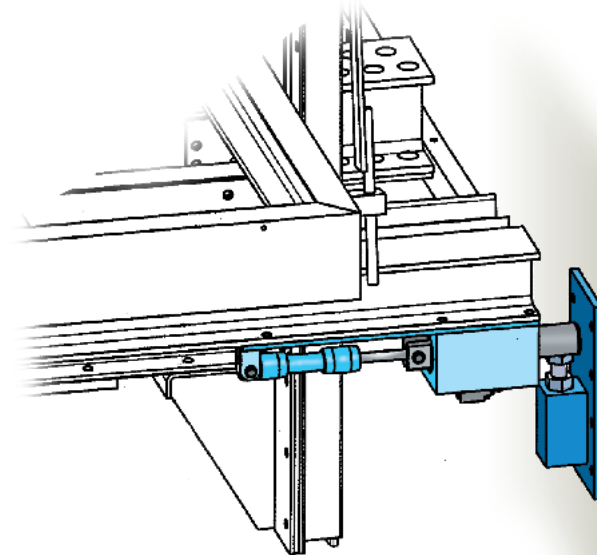
Figure top:
Solenoid-actuated support bolt

Landing devices serve to limit the compression distances of lifts.

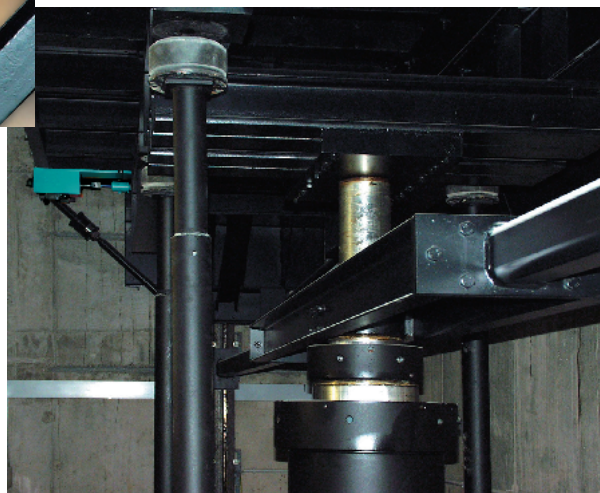
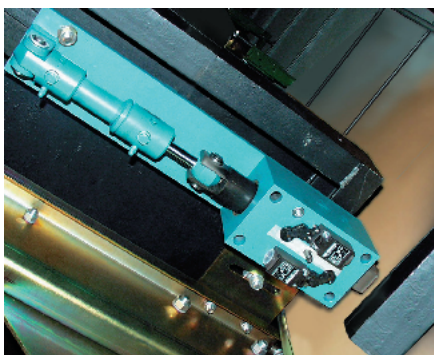
Solenoid-operated support bolts are designed for loads of 2500 kg per piece.

For heavy loads we recommend to use our hydraulic interlocks. Depending on the series, the interlocks can take loads up to 10.000 kg per piece.

Drawing right:
Schematic presentation
of a hydraulic interlock



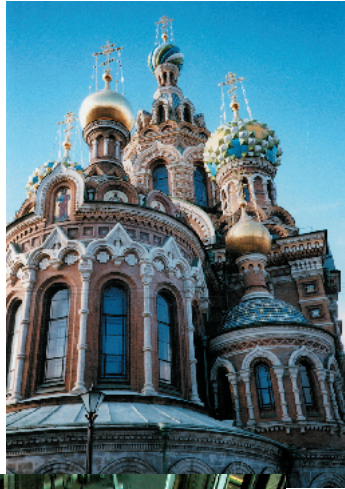
Photos below:
Hydraulic interlocking
of goods lifts



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Worldwide

ALGI components have been used as hydraulic drives in various fields of application for four decades. Whether passenger or cargo lifts, ALGI lift components can be found from Calgary to Hong Kong and from St Petersburg to Sydney.

Lift companies trust the quality, performance and reliability of our products worldwide.

Our expertise, our modern production equipment and the flexibility with order-related solutions make us a leading supplier of hydraulic lift components.

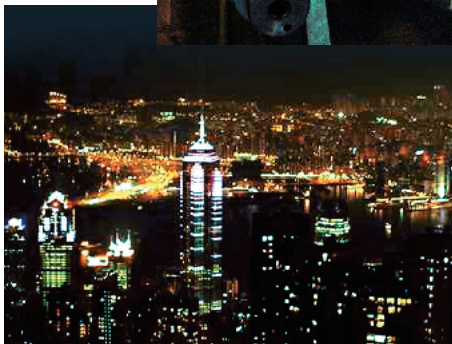


Figures from top down:

Extracts from city views of St. Petersburg, Frankfurt/Main and Hong Kong.

Two panoramic lifts, rated load 1050 kg, jack configuration 1:2

Telescopic jack in the final assembly.



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