

STROS[®]
SINCE 1960

**STRONG
AND RELIABLE**
LIFTING EQUIPMENT



BEST QUALITY
SINCE 1960

**INDUSTRIAL
ELEVATORS**

Strong and reliable **LIFTING EQUIPMENT**



Over the past 60 years, we have become one of the top manufacturers in the world, especially where operational reliability and durability are preferred.

In our modern, robotic facility, we respect the industry's best traditional practices and use only high-quality materials and components. In this facility, we are also engaged in the production of steel structures, machining, laser cutting of material and other custom engineering production.

Our technical solutions fully satisfy the requirements and needs of our customers. After the completion of a project, we are ready to thor-

oughly train the operation and service crews and remain at your full disposal.

Our clients highly appreciate our worldwide sales and service network as well as long-term and fast availability of spare parts.

Choose Stros for your project – you will get a unique source of global experience and a partner you can fully rely on.

☑ Directive No. 2006/42/EC

☑ ISO 9001

☑ EN 1090-2 EXC2 A EXC3

☑ EN ISO 3834-2



BEST QUALITY
SINCE 1960

60 VÝROČÍ
ANNIVERSARY
VÝKON
A SPOLEHLIVOST
OD ROKU 1960



The products of STROS a.s. are designed, manufactured and approved in accordance with applicable European legislation.

NOV = Construction hoists for the transport of persons and material with vertically guided cages

NOV = Dedicated machinery (Industrial elevators)

WP = Mast climbing work platforms

ZL = Temporary suspension platforms



Client portal



Facebook.com/stros.cz



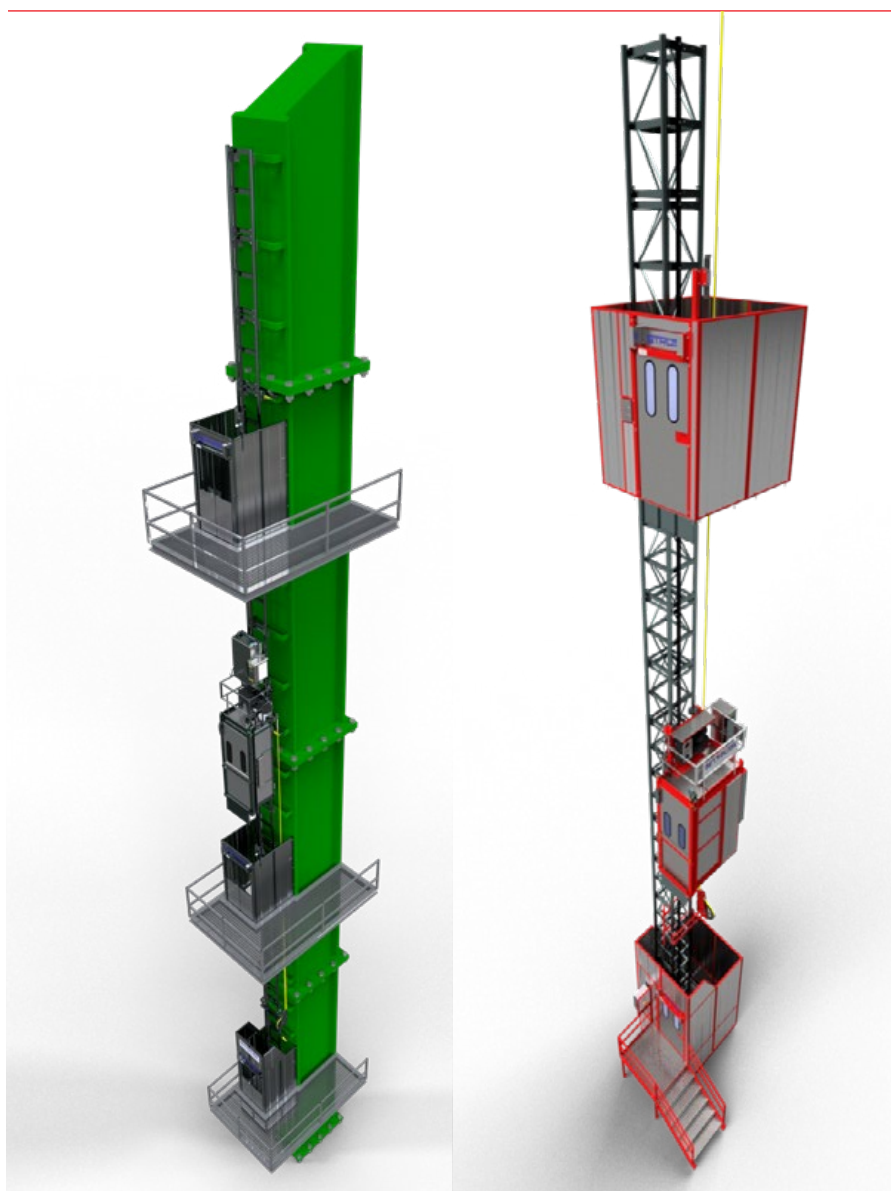
Youtube.com



Industrial Elevators

NOV 412 - 514





NOV industrial elevators are designed for reliable operation and long life cycles in the harsh environments of various industrial settings, such as power plants, cement plants, lime plants, coal handling facilities, steel mills, refineries, mines etc.

NOV 412 - 514

LC: 400 - 500 kg / H: 350 m / S: 45 m/min

Control: fully automatic, using Selective Collective, or semi-automatic, using direct floor selection (Single Automatic).

The motors can be controlled by a variable frequency drive (VFD), or connected direct on line (DOL).

We can completely design, manufacture and install the elevator specifically per the customer's requirements and needs.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

Quick and easy installation. Possibility of reaching great heights. No need for an enclosed shaft.

The elevators are suitable for STS cranes (Ship-to-Shore Cranes)

EQUIPMENT OPTIONS:

- Overload protection
- Cable trolley on vertical rails beside the car, or on the mast under the car
- Single-piece or bi-parting car doors
- Erection boom
- Automatic rack lubrication
- Air-conditioned or heated control panels

MORE INFORMATION:



Load capacity: 400 kg (NOV 414) / 500 kg (NOV 514)

Lifting speed: up to 45 m/min

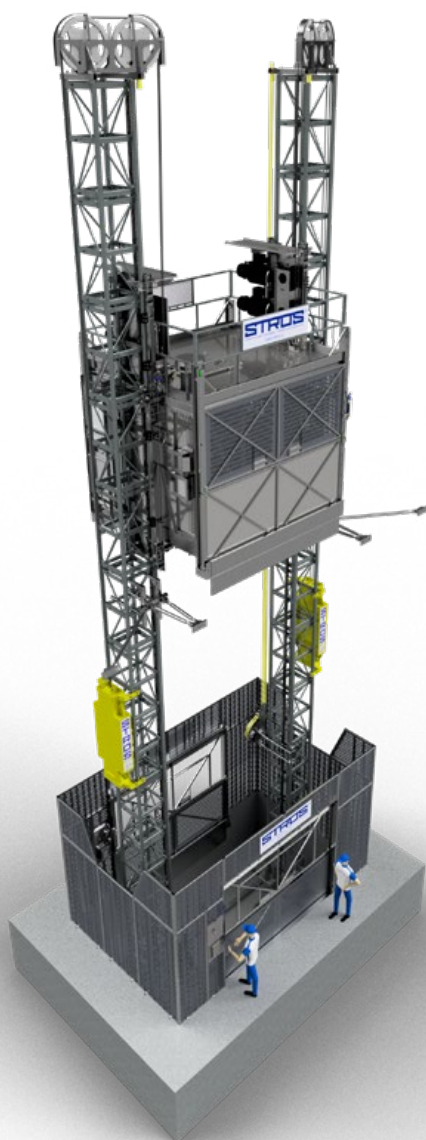
Max. lifting height: 350 m

Technical data	NOV 412	NOV 514
Maximum car internal dimensions (mm)	910 x 1,280 x 2,400	910 x 1,515 x 2,400
Standard door clear height	2,000 mm	
Motor power	according to configuration	
Motor control	Frequency inverter or DOL	
Voltage system	according to configuration	
Rated current (400 V · 480 V)	according to configuration	
Main protection (400 V · 480 V)	according to configuration	
Mast	BH, S, H, I	
Information	hoist parameters can be customized	
Control	Single Automatic / Selective Collective	
Standard base landing height above ground	1,250 mm	

Special industrial elevators
for explosive environments

EX PROOF 





Special elevator for potentially explosive environments, such as refineries, flammable warehouses, mining operations or other environments that place much higher demands on operational safety. We manufacture elevator for these specific environments according to the requirements of ATEX and NEC standards.

NOV EX PROOF

LC: According to configuration / H: 350 m / S: 40 m/min

Long service life and excellent durability thanks to first-class materials and components.

Control: fully automatic, using Selective Collective or semi-automatic, using direct floor selection (Single Automatic).

The motors can be controlled by a variable frequency drive (VFD), or connected direct on line (DOL).

We can completely design, manufacture and install the elevator specifically per the customer's requirements and needs.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

Possibility of reaching great heights. No need for an enclosed shaft.

Load capacity: 500 - 5,000 kg

Lifting speed: up to 90 m/min

Max. lifting height: 350 m

Technical data	EX-PROOF
Car internal dimensions	900 - 2,000 x 1,200 - 4,200 x 2,400 mm
Standard door clear height	2,000 mm
Motor power	according to configuration
Motor control VFD or DOL	VDF or DOL
Frequency inverter	yes or contactor design
Voltage system	3PEN~50 Hz 400 V/TN-C-S3PEN~60 Hz 480 V/TN-C
Rated current (400 V · 480 V)	according to configuration
Main protection (400 V · 480 V)	according to configuration
Mast	BH, S, H, I
Information	hoist parameters can be customized
Control	Single Automatic / Selective Collective
Standard base landing height above ground	1,400 mm

EQUIPMENT OPTIONS:

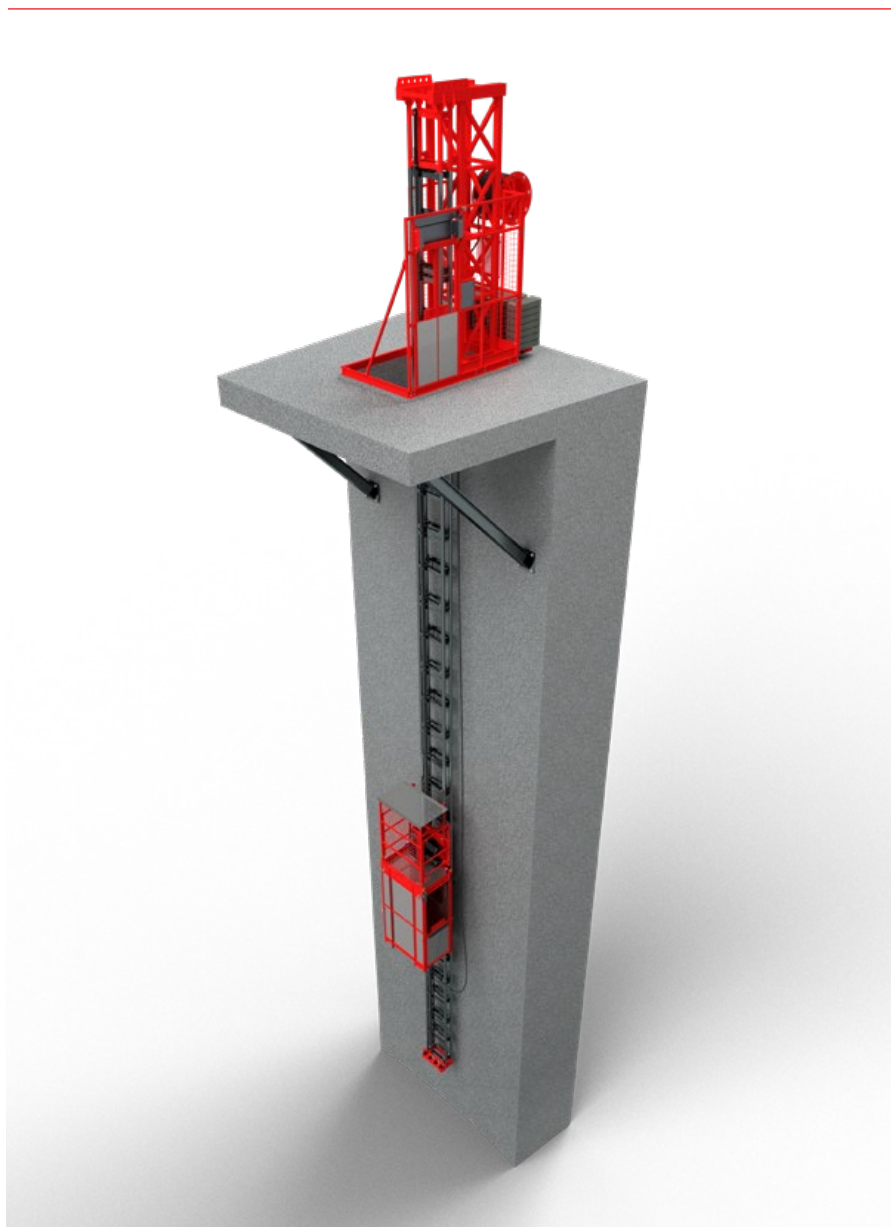
- Overload protection
- Cable trolley on vertical rails beside the car, or on the mast under the car
- Single-piece or bi-parting car doors
- Erection boom
- Automatic rack lubrication

MORE INFORMATION:



Special industrial elevator **BV 400**





Load capacity: 400 kg

Lifting speed: 19,2 m/min

Maximum transport height 95 m

Technical data	BV 400
Car internal dimensions	800 x 1,350 x 2,000 mm
Standard door clear height	2,000 mm
Motor power	2 x 4,5 kW
Control voltage	3PEN ~50 Hz 400 V/TN-C-S
Rated current [230 V]	18 A
Main protection [230 V]	25 A
IP rating	IP54
Mast	H
Control	Single Automatic

BV industrial elevators are used in industrial settings with requirements for the transport of people and material below the level of the surrounding terrain. They are designed for reliable operation long life cycles and in harsh environments. The elevators are manufactured in accordance with European standards.

BV 400

LC: 400 kg / H: 95 m / S: 0-19,2 m/min

BV industrial elevators are a special series of elevator designed for the transport of people and material to underground spaces, mines, collectors, etc. The base station of the elevator is located at ground level and the hoist descends to the programmed landings to a depth of up to 95m.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

No need for an enclosed shaft.

EQUIPMENT OPTIONS:

- Overload protection
- Single-piece or bi-parting car doors
- Automatic rack lubrication

APPLICATION OPTIONS:

- BV industrial elevators are used on sites with harsh operating conditions in a range of industrial settings, e.g. mine shafts, collectors, etc.

MORE INFORMATION:



Industrial Elevators up to load capacity of **1,000 KG**





NOV industrial elevators are designed for reliable operation and long life cycles in the harsh environments of various industrial settings, such as power plants, cement plants, lime plants, coal handling facilities, steel mills, refineries, mines etc.

NOV - UP TO 1,000 KG

LC: 1,000 kg / H: 350 m / S: 90 m/min

Control: fully automatic, using Selective Collective, or semi-automatic, using direct floor selection (Single Automatic).

The motors can be controlled by a variable frequency drive (VFD), or connected direct on line (DOL).

We can completely design, manufacture and install the elevator specifically per the customer's requirements and needs.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

Quick and easy installation. Possibility of reaching great heights. No need for an enclosed shaft.

EQUIPMENT OPTIONS:

- Overload protection
- Cable trolley on vertical rails beside the car, or on the mast under the car
- Single-piece or bi-parting car doors
- Erection boom
- Automatic rack lubrication
- Air-conditioned or heated elevator car and control panels

MORE INFORMATION:



Load capacity: 1,000 kg

Lifting speed: up to 90 m/min

Max. lifting height: 350 m

Technical data	NOV up to 1,000 kg
Max. car internal dimensions	1,195 x 2,000 x 2,400 mm
Standard door clear height	2,000 mm
Motor power	according to configuration
Motor control	Frequency inverter or DOL
Voltage system	according to configuration
Rated current (400 V · 480 V)	according to configuration
Main protection (400 V · 480 V)	according to configuration
Mast	BH, S, H
Control	Single Automatic / Selective Collective
Standard base landing height above ground	1,250 mm

Hoist parameters can be customized

Industrial Elevators up to load capacity of **2,500 KG**





NOV industrial elevators are designed for reliable operation and long life cycles in the harsh environments of various industrial settings, such as power plants, cement plants, lime plants, coal handling facilities, steel mills, refineries, mines etc.

NOV - UP TO 2,500 KG

LC: 2,500 kg / H: 350 m / S: 90 m/min

Control: fully automatic, using Selective Collective, or semi-automatic, using direct floor selection (Single Automatic).

The motors can be controlled by a variable frequency drive (VFD), or connected direct on line (DOL).

We can completely design, manufacture and install the elevator specifically per the customer's requirements and needs.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

Quick and easy installation. Possibility of reaching great heights. No need for an enclosed shaft.

EQUIPMENT OPTIONS:

- Overload protection
- Cable trolley on vertical rails beside the car, or on the mast under the car
- Single-piece or bi-parting car doors
- Erection boom
- Automatic rack lubrication
- Air-conditioned or heated elevator car and control panels

MORE INFORMATION:



Load capacity: 2,500 kg

Lifting speed: up to 90 m/min

Max. lifting height: 350 m

Technical data	NOV up to 2,500 kg
Max. car internal dimensions	1,495 x 3,330 x 2,400 mm
Standard door clear height	2,000 mm
Motor power	according to configuration
Motor control	Frequency inverter or DOL
Voltage system	according to configuration
Rated current (400 V · 480 V)	according to configuration
Main protection (400 V · 480 V)	according to configuration
Mast	BH, S, H
Control	Single Automatic / Selective Collective
Standard base landing height above ground	1,250 mm

Hoist parameters can be customized

Industrial Elevators with load capacity over **2,500 KG**





Load capacity: over 2,500 kg (according to configuration)

Lifting speed: up to 50 m/min

Max. lifting height: 350 m

Technical data	NOV over 2, 500 kg
Max. car internal dimensions	according to configuration
Standard door clear height	2,000 mm
Motor power	according to configuration
Motor control	frequency inverter
Voltage system	according to configuration
Rated current (400 V · 480 V)	according to configuration
Main protection (400 V · 480 V)	according to configuration
Mast	BH, S, H
Control	Single Automatic / Selective Collective
Standard base landing height above ground	1,250 mm

Hoist parameters can be customized

NOV industrial elevators are designed for reliable operation and long life cycles in the harsh environments of various industrial settings, such as power plants, cement plants, lime plants, coal handling facilities, steel mills, refineries, mines etc.

NOV - OVER 2,500 KG

LC: > 2,500 kg / H: 350 m / S: 50 m/min

Control: fully automatic, using Selective Collective, or semi-automatic, using direct floor selection (Single Automatic).

The motors can be controlled by a variable frequency drive (VFD), or connected direct on line (DOL).

We can completely design, manufacture and install the elevator specifically per the customer's requirements and needs.

Our elevators are available in various surface finishes, such as painted, hot-dip galvanized or stainless steel.

Quick and easy installation. Possibility of reaching great heights. No need for an enclosed shaft.

EQUIPMENT OPTIONS:

- Overload protection
- Cable trolley on vertical rails beside the car, or on the mast under the car
- Single-piece or bi-parting car doors
- Erection boom
- Automatic rack lubrication
- Air-conditioned or heated elevator car and control panels

MORE INFORMATION:



ELEVATORS FOR **SHIP-TO-SHORE CRANES**





STOS rack and pinion industrial elevators are primarily used as a means of vertical access for personnel and material in various industrial facilities. They are designed to reliably perform with long life cycles in harsh environments. They are built to comply with the European Machinery Directive, or they can meet the ASME A17.1/B44 code enforced mainly in the US and Canada.

ELEVATORS FOR SHIP-TO-SHORE CRANES

STANDARD

- Emergency lowering device
- Call from landings
- Stainless steel call boxes
- Stainless steel electrical panels
- Electrical panel heaters
- PLC
- Overload protective device

OPTIONAL

- Hot dip galvanized cage frame
- Stainless steel car walls and doors
- Remote monitoring
- Fan in car
- Automatic rack lubrication
- Telecommunication system
- Selective/Collective controls

Load capacity: 400 - 450 - 500 kg

Travel speed: 35 - 46 m/min

Technical data	STS Crane
Operation control	Single Automatic
Motor control	DOL / VFD
Applicable codes	EN-81, European Machinery Directive 2006/42/EC ASME A17.1-2016/CSA B44-2016
Cabin size	0.9 x 1.17 x 2.5 m for 400 kg capacity 0.9 x 1.4 x 2.5 m for 450 kg and 500 kg capacity

Battery Powered Elevator

NOV 515 F3 BATTERY





The NOV 515 F3 Battery elevator is equipped with a regeneration unit, which returns some of the energy back to the batteries when driving down. This makes it energy-efficient. The hoist is extremely durable when connected in an unstable network and continues to operate in the event of a power failure. This type of unit is suitable as a service elevator for greater heights.

NOV 515 F3 BATTERY

LC: 500 kg / H: 350 m / S: 30 m/min

NOV 515 F3 Battery elevator can be controlled fully automatically using Selective Collective, or semi-automatically using direct floor selection (Single Automatic).

The hoist does not need a trailing cable, a cable trolley or guides.

The hoist can be powered from a standard household socket (230/16A-110/15A). Low power consumption (approx. 2 kW) and no starting surges.

Quick and easy installation. Possibility of reaching great heights. No need for an enclosed shaft.

EQUIPMENT OPTIONS:

- Overload protection
- Single-piece or bi-parting car doors car doors
- Erection boom
- Automatic rack lubrication

Load capacity: 500 kg

Maximum lifting speed: 35 m/min

Max. lifting height: 350 m

Technical data	NOV 515 F3 Battery
Car internal dimensions	910 x 1 535 x 2 350 mm
Standard door clear height	2 000 mm
Motor power	16 kW
Frequency inverter	16 kW
Frequency inverter	1PH 230 V, 50 Hz (110 V, 60 Hz)
Rated current [230 V]	13 A
Main protection [230 V];	16 A
Degree of protection against external influences	IP54
Mast	S, H, I
Control	Single Automatic
Standard base landing height above ground	850 mm



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