



SPECIAL PURPOSE INDUSTRIAL ELEVATORS

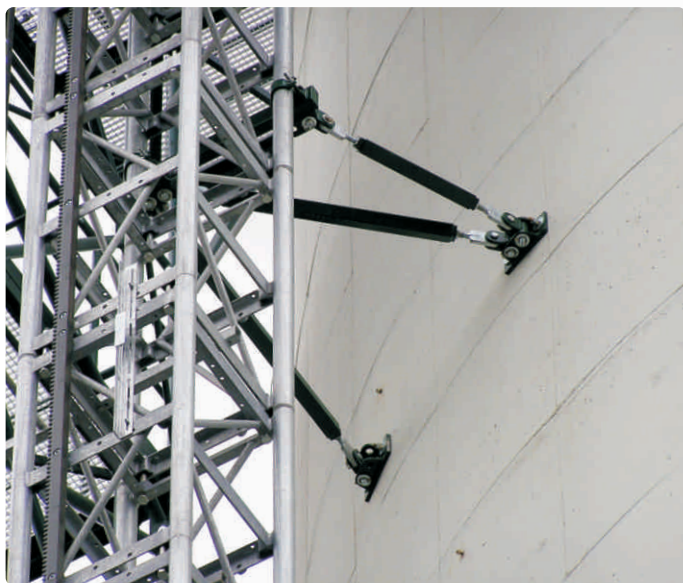


CSN EN ISO 9001 : 2009

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SPECIAL PURPOSE INDUSTRIAL ELEVATORS

- **robust and durable**
- **safe and reliable**
- **harsh environments**
- **custom-made**

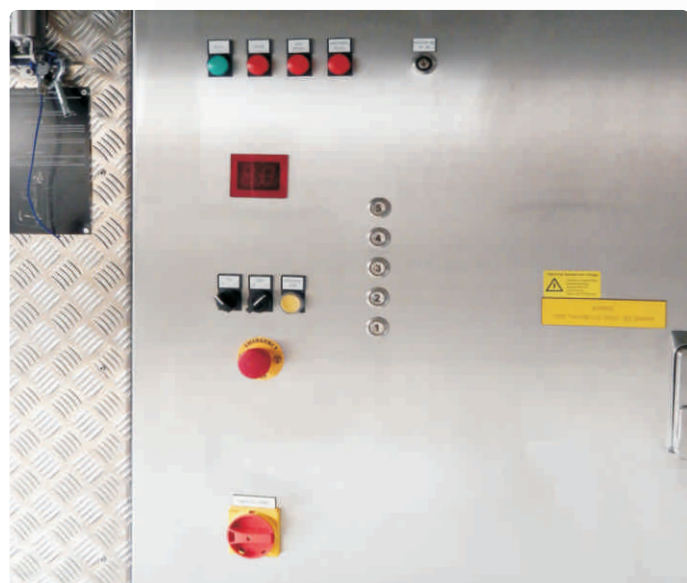


STROS rack and pinion industrial elevators are primarily used as a means of vertical access for personnel and material in various industrial facilities. They are designed to reliably perform with long life cycles in harsh environments. They are built to comply with European Machinery Directive 2006/42/EC, or they can follow local standards, such as American / Canadian (ASME A17.1-2007/CSA B44-07), Australian (AS 1735.9), Russian codes (GOST PB 10-558-03), etc.

The many advantages include: fast and easy installation, elimination of an enclosed shaft and machinery room, extended service heights, adaptability, and long machine life cycles in extreme industrial environments. Common industries served are: power plants, cement plants, refineries, mines, off-shore facilities, and manufacturing.

Our experience, state-of-the-art manufacturing facilities and team of accomplished designers enable us to completely design, fabricate and install the exact elevator to fit the customer's needs. We work with the customer to ensure all necessary documentation is available for applicable certifications.

The control systems are available as **Single Automatic** or Selective / Collective. Single Automatic operation allows control of the elevator from the cab and landings. Calls are answered one at a time. **Selective / Collective** operation allows control of the elevator from the cab and landings. Calls are collected and answered in the most efficient manner relevant to direction.



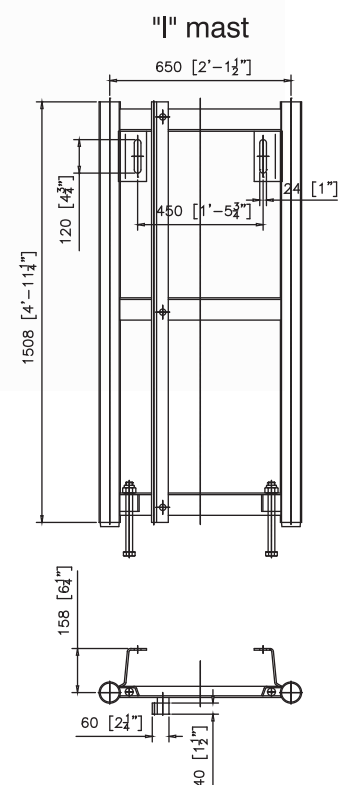
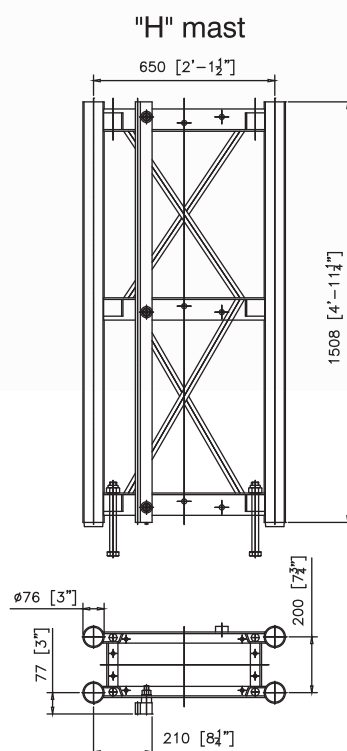
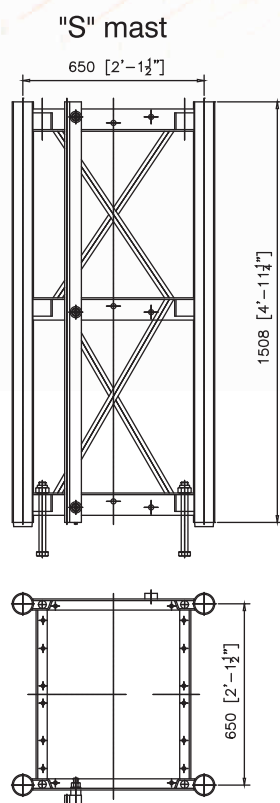
Our machines are available with a range of finishes: hot-dipped galvanized, special order paint and stainless steel. Cab finishes come standard with aluminum diamond plate walls. Stainless Steel options are available for cab doors, landing door panels or complete cab enclosures.



PARAMETERS	
Pay load capacity	300 - 3600 kg (660 - 8000 lbs)
Travel speed	up to 90 m/min (300 fpm)
Service height	up to 350 m (1150 ft)
DIMENSIONS	
Cabin internal dimensions (WxLxH)	0.9 - 2 x 0.9 - 4.2 x 2.5 m (3' - 6'7" x 3' - 13'10" x 8'2")
Door clear opening	variable
Door clear height	2 m (6'7")
Mast section length	1508 mm (4'11 3/8")
Mast section type	I (ladder), H (half), S (standard)
ELECTRICAL DATA	
Power supply system	3PEN~50Hz 400V/TN-C-S, 3PEN~60Hz 480V/TN-C
Control circuit voltage	110 V
Outlet voltage (for hand tools)	230 V or 110 V
Motor control	Direct on Line (DOL) or Variable Frequency Control (VFC)

All elevators can be equipped with:

- frequency inverter
- overload protective device
- signal features
- communication systems
- emergency lowering device
- fire rated doors
- explosion-proof design
- counterweight
- other special fixtures and features on request



INDUSTRIAL ELEVATORS

HS-1200-F4 "Wayne"

Project location: North Carolina, USA

Customer: Vogt Power

Load capacity	1200 kg (2650 lbs)
Service height	23 m (93 ft)
Number of landings	Base + 3
Motors	2 x 11 kW, 22 kW VFC



NOV 3032, Cement Plant

Project location: Brno, Czech Republic

Customer: Ceskomoravsky cement, a.s.

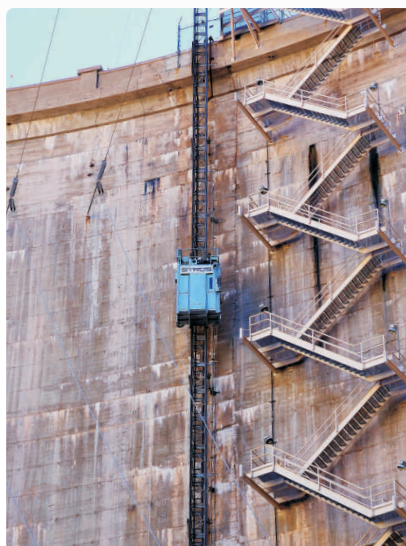
Load capacity	3000 kg (6610 lbs)
Travel speed	45 m/min (147 fpm)
Service height	59 m (193 ft)
Number of landings	Base + 7
Motors	2 x 11 kW, 45 kW VFC

HS-1000-F4 "Horse Mesa"

Project location: Horse Mesa Dam, Arizona, USA

Customer: Salt River Project

Load capacity	1000 kg (2200 lbs)
Travel speed	40 m/min (130 fpm)
Number of landings	Base + 4
Motors	2 x 5.5 kW, 22 kW VFC



This range consists of a wide variety of capacities, cabin sizes, speeds, heights and configurations. The most common applications are power plants, cement and lime plants, oil tanks, silos, food processing facilities and warehouses. The list of possible applications, however, could be almost endless.



NOV 600 BR, Warehouse

Project location: Braškov, Czech Republic

Customer: STAVIMAT, s.r.o.

Load capacity	600 kg (1320 lbs)
Travel speed	20 m/min (65 fpm)
Service height	7.5 m (25 ft)
Number of landings	Base + 2
Motors	1 x 4 kW, 7.5 kW VFC

NOV 417 S, Oil Tank

Project location: Bucany + Budkovce, Slovakia

Customer: PSJ Hydrotranzit Bratislava

Load capacity	400 kg (880 lbs)
Travel speed	23 m/min (75 fpm)
Service height	22 m (72 ft)
Number of landings	Base + 2
Motors	1 x 3.7 kW DOL



HS-2000-F4 "Scherer"

Project location: Plant Scherer, Georgia, USA

Customer: Georgia Power, Gulf Power

Load capacity	2000 kg (4400 lbs)
Travel speed	40 m/min (130 fpm)
Service height	23 m (75 ft)
Number of landings	Base + 2
Motors	2 x 9.2 kW, 37 kW VFC

CHIMNEY STACK ELEVATORS

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These elevators represent a special category in our industrial range. They are mostly service elevators with capacities ranging between 400 and 800 kg (880 to 1800 lbs) and service heights in excess of 100 m (330 ft). They can be installed either on the outside or the inside of a chimney stack.

NOV 0514 UP PL

Project location: Polaniec, Poland

Customer: Electrabel - GDF Suez

Load capacity	500 kg (1100 lbs)
Travel speed	35 m/min (115 fpm)
Service height	146 m (480 ft)
Number of landings	Base + 4
Motors	2 x 4.5 kW DOL



NOV 0514 UP SI

Project location: Warszawa, Poland

Customer: VATTENFALL

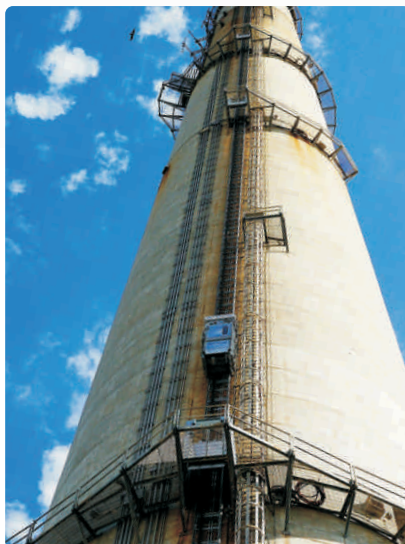
Load capacity	500 kg (1100 lbs)
Travel speed	35 m/min (115 fpm)
Service height	170 m (558 ft)
Number of landings	Base + 5
Motors	2 x 3 kW, 11 kW VFC

HS-400-F4

Project location: Florida, USA

Customer: Orlando Utilities Commission

Load capacity	400 kg (880 lbs)
Travel speed	40 m/min (130 fpm)
Service height	160 m (525 ft)
Number of landings	Base + 4
Motors	1 x 7.5 kW, 15 kW VFC



SPECIAL ELEVATORS

Backed up by five decades of experience in rack-and-pinion access, equipped with modern technologies and superb know-how, and determined to cope with challenging projects, STROS will design, produce and install special elevators to suit the demanding needs of unusual projects. The examples below speak for themselves.



NOV 1524 UP F "Mobile"

Project location: Halifax, NS, Canada

Customer: Canadian Navy

Load capacity	1500 kg (3300 lbs)
Travel speed	35 m/min (115 fpm)
Chassis travel speed	5 m/min (16 fpm)
Service height	14 m (46 ft)
Total height	17 m (55 ft)
Motors	2 x 7.5 kW, 30 kW VFC

- hydraulically driven and controlled chassis
- modular structure of tower
- exit platform to structure

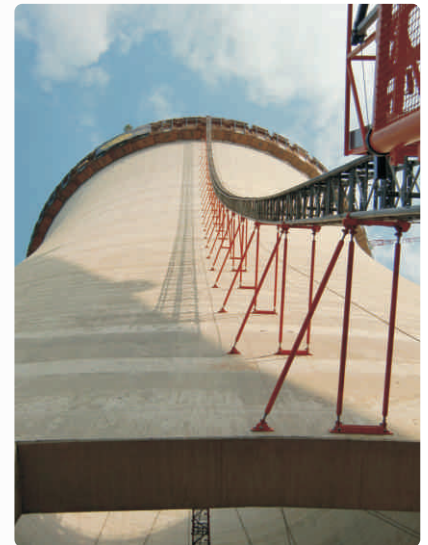
NOV 2032 UP F6

Project location: Ledvice Power Plant, Czech Republic

Customer: ČEZ, a.s.

Application: Access to formwork on cooling tower

Load capacity	2000 kg (4400 lbs)
Travel speed	46 m/min (150 fpm)
Final height	140 m (460 ft)
Number of tie-in	22
Motors	2 x 11 kW, 75 kW VFC



BV 400, "Reverted Elevator"

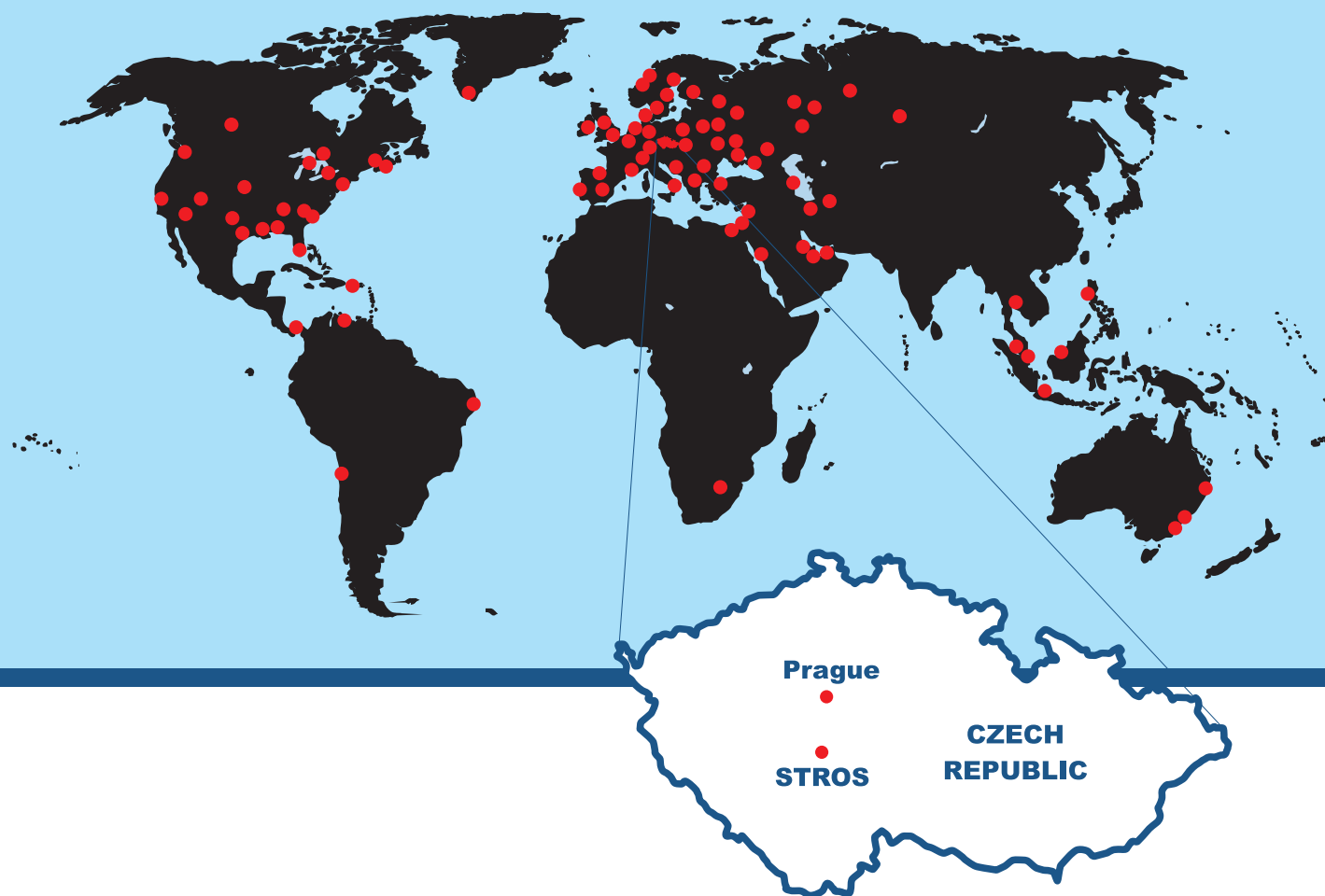
Project location: St. Petersburg, Russia

Customer: STIS

Application: Service elevator in utility underground shaft

Load capacity	400 kg (880 lbs)
Travel speed	19 m/min (63 fpm)
Final depth	95 m (310 ft) underground
Motors	2 x 3 kW DOL

TOP QUALITY SINCE 1960



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