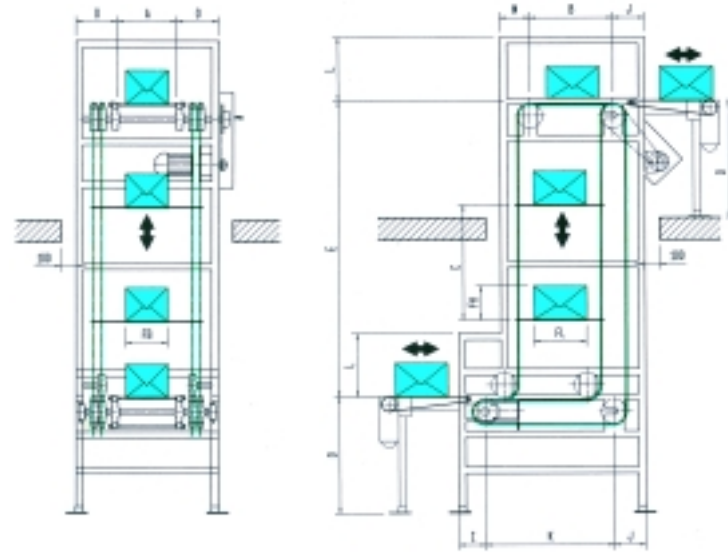


TECHNICAL DETAILS

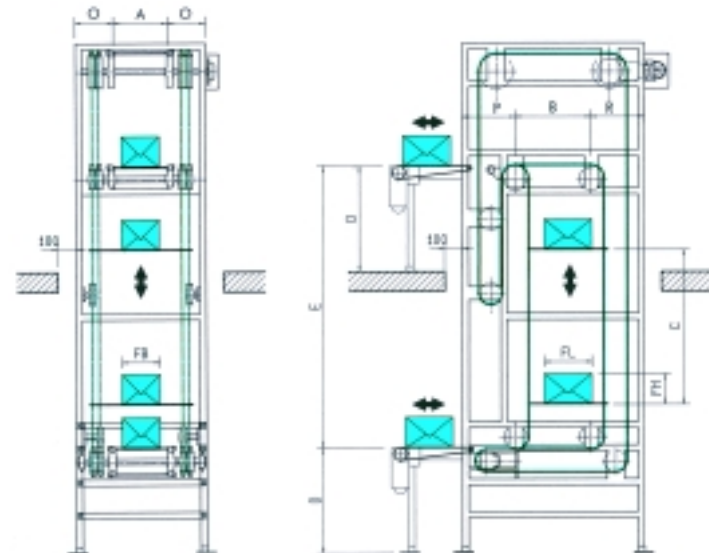
'S' - SHAPE

	Up to 100kg S 253/33/50	Up to 300kg S316/43/70
A	350, 500, 700	500, 700, 900
Standard sizes quoted - others on request		
B	462, 693, 891	602, 774, 989
Standard sizes quoted - others on request		
C	B + FH + 100 = Minimum	
D	500 Min	600 Min
E	Lifting Height	
FL	Length of product to fit platform length - A	
FB	Width of product to fit platform length - B	
FH	Maximum height of product	
I	250	340
J	250	340
K	B + 400 (approx)	B + 600 (approx)
L	FL + 150	
M	250	340
O	330	445



'C' - SHAPE

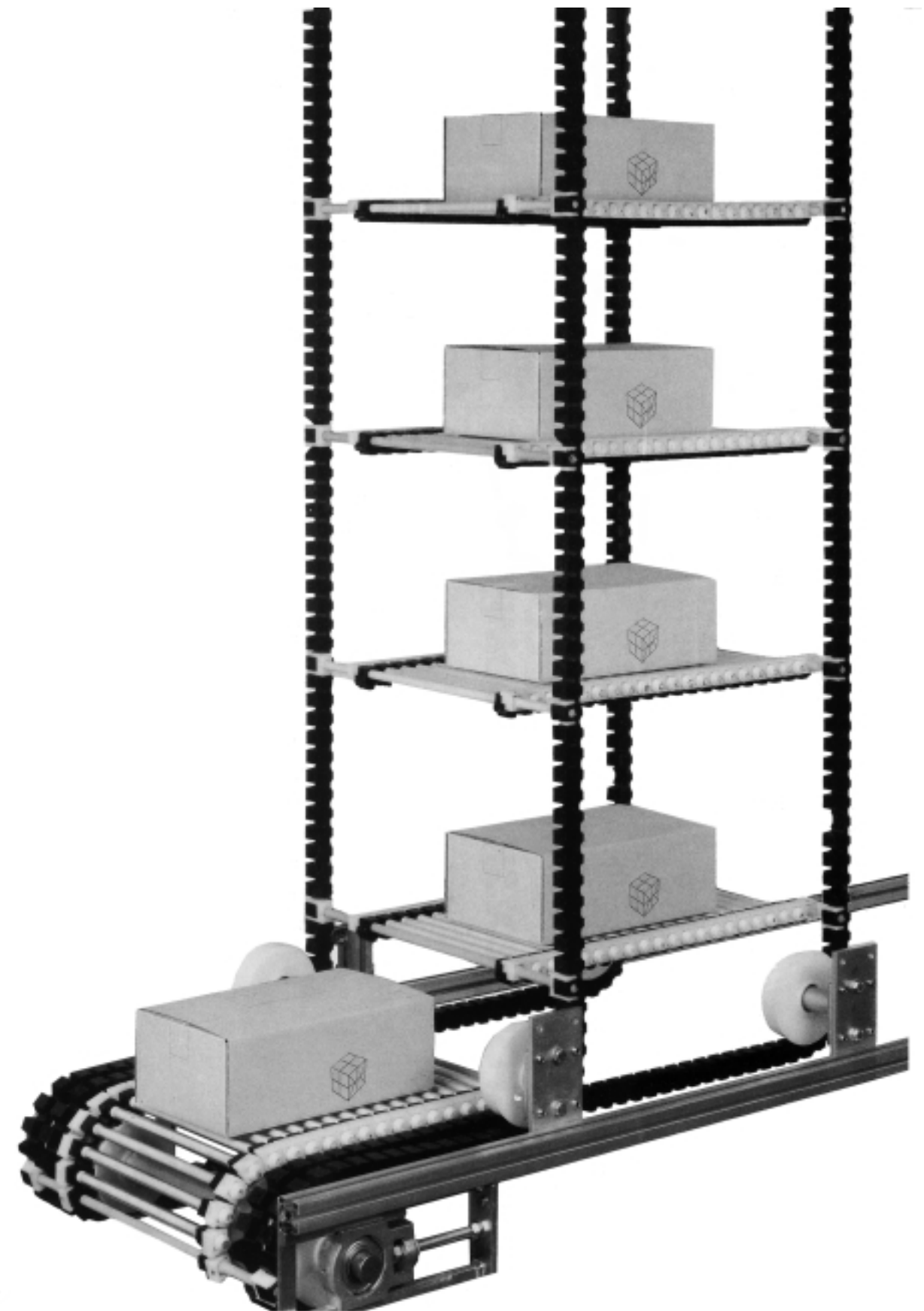
A	350, 500, 700
Standard sizes quoted - others on request	
B	462, 693, 891
Standard sizes quoted - others on request	
C	B + FH + 100 = Minimum
D	500 Min
E	Lifting Height
FL	Length of product to fit platform length - A
FB	Width of product to fit platform length - B
FH	Maximum height of product
O	330
P	503
R	400



PLATFORM ELEVATORS

NERAK

practical solutions
for a moving environment



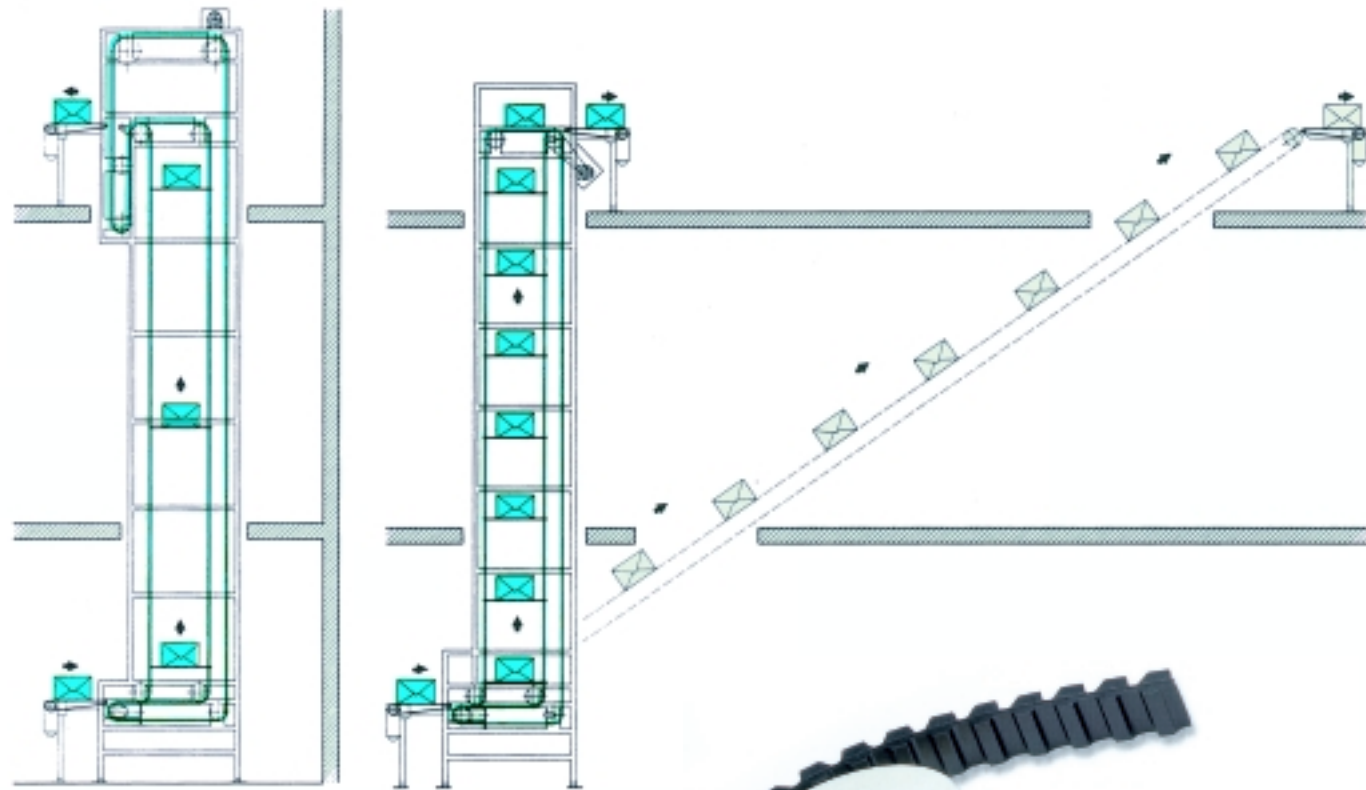
NERAK

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PLATFORM ELEVATORS

The 'S' and 'C' shaped platform elevators are designed to convey high volume unit loads between floor levels. The elevators handle a variety of product sizes, carrying loads of up to 300kg for vertical distances reaching 20 metres and possess throughput capacity of 3,000 units per hour.

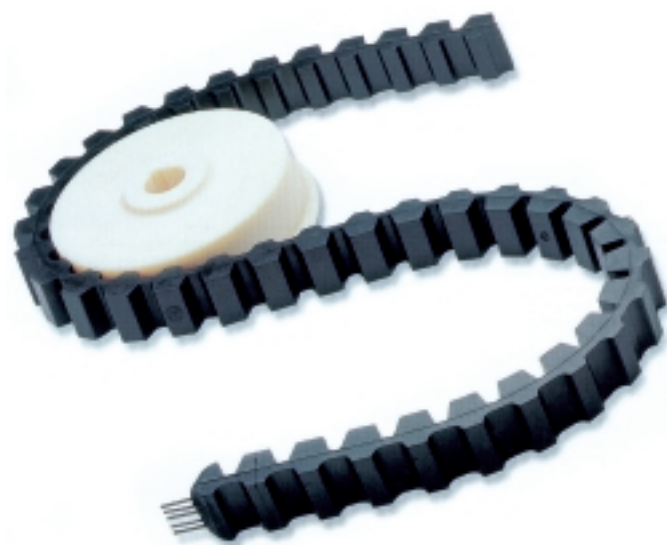
The conveying system operates by use of strategically placed sensor devices at the infeed station. When a product arrives at the infeed position it is held awaiting arrival of the next available platform. The sensor mechanism ensures that product is smoothly transferred onto this platform for onward discharge to the exit conveyor. Product that is queued for loading onto the infeed conveyor is automatically transferred in a continuous and regular process.



RUBBER DRIVE CHAINS

The conveyor operates by means of a unique rubber block belt drive system that ensures silent running, resistance to wear and maintenance free performance over prolonged periods. Durability of the rubber block chain is provided by means of high tensile embedded steel cables and a variety of rubber compounds are available to suit all applications.

The rubber belt drive and plastic carrier wheel system is particularly advantageous in environments that demand hygiene. Requiring no lubrication, they can be 'hosed down' as part of a cleaning regime without any negative impact on operational performance.



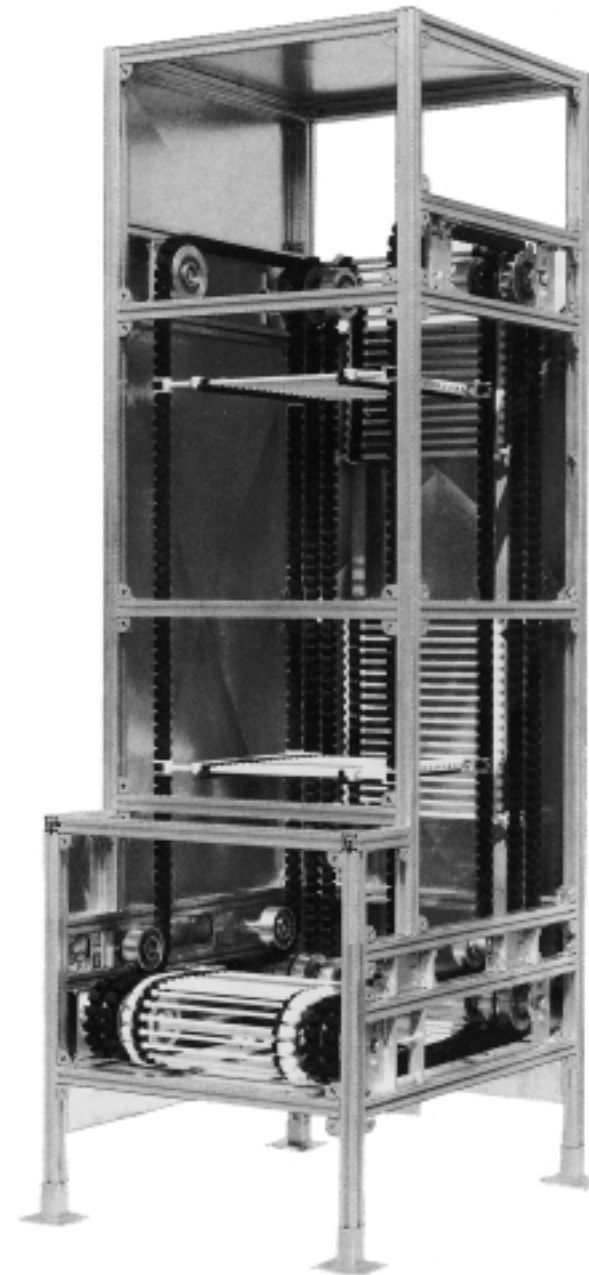
CONSTRUCTION

The platforms are normally constructed from polyester rods fitted between two lengths of rubber chain. The rods can be covered with PVC tubing to prevent light products slipping during transfer.

For special applications the platforms can be formed from sheet steel to provide a solid base.

The elevator can be an open frame or enclosed sheet steel structure fabricated from mild steel, aluminium or stainless steel.

Cladding of the open structures may be from sheet steel, mesh or polycarbonate panels, with removable panels and doors for cleaning and maintenance.



PERFORMANCE

The maximum throughput of the elevator is determined by the maximum box size and belt speed, whereby the throughput is the belt speed divided by the minimum platform pitch. The platform pitch is the length plus height of the largest box plus 100mm.

For example, if the largest box is 400L x 300W x 250H, then the minimum platform pitch will be $400 + 250 + 100 = 750\text{mm}$, and with a belt speed of 0.5m/sec. the maximum throughput will be $= \frac{0.5 \times 60}{0.75} = 40 \text{ boxes/min.}$
 $= 2,400 \text{ boxes/hr.}$

