

# SOBY CHAIN ELEVATORS SE25 / SE40



The Ultimate in Grain Care

## WHY BDC SYSTEMS?

### SALES & DESIGN

We offer a full range of post-harvest equipment from world-leading manufacturers. Our sales team covers the entire UK and Ireland, and are highly experienced in designing and specifying systems for new-build and plant extensions on an agricultural and industrial scale.

### TECHNICAL SUPPORT

As well as after-sales support, our technical support department has an enviable knowledge of all aspects of grain drying, storage, cleaning and conveying.

### SPARES

We keep in stock a wide range of commonly required spare parts and ducting for much of the equipment we supply. This can be dispatched quickly by carrier or on our own transport for local customers. Items not carried as standard stock can be sourced quickly from the original manufacturers.

## Where efficient and reliable conveying systems are required

The Soby chain elevator is a cost efficient and reliable solution for horizontal and inclined conveying of grain, as well as conveying of seed, beans, milled and granular products.

Designed for use where a minimum of space is available, they feature side augers which can be mounted on both sides of the elevator boot and which can reduce the depths of grain pits substantially. Optionally, the side auger can be supplied with a floor mounted tipping hopper. The Soby chain elevator is, therefore, the perfect choice for any silo installation.

Soby chain elevators are made of all steel and the bearings are dust proof, life time greased, which will give a long service life with a minimum of maintenance.

- ◆ Hot dipped galvanised finish.
- ◆ The lower chain wheel is two-part, which reduces grain damage to a minimum.
- ◆ Wide range ensures large flexibility of use.
- ◆ Outlet 45°

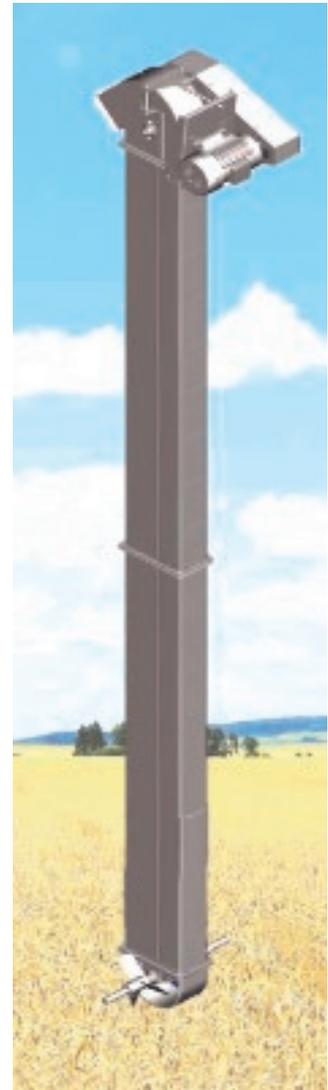
### Areas of use:

The Soby Chain elevator is very space efficient as there is only a small loss of height at intake and outlet.

### Basic machine:

Soby chain elevators are available in 25 and 40 tonne versions from 3-18 m long, Type SE-25 and Type SE-40. They are supplied with:

- ◆ Elevator head
- ◆ V-pulley drive or gearbox.
- ◆ 2m extension leg with inspection hatch.
- ◆ Extensions in lengths from 12.5 cm to 2.0 m, all extensions inclusive of roller chain and rubber fights.
- ◆ 2 feed propellers.
- ◆ Various boot options (see over).



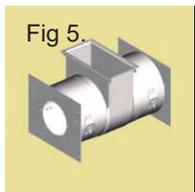
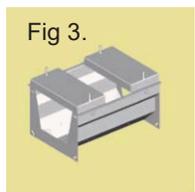
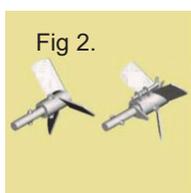
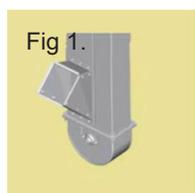
### Capacities:

Based on barley with 17% moisture content.

<b>Table 1</b>		
<b>SE-25</b>	Inlet from one side	Inlet from two sides
Without propellers:	6 t	12 t
With propellers:	10 -	20 -
With side auger		
in trough, ø 90 mm:	9 -	18 -
ø 135 mm:	18 -	25 -
<b>SE-40</b>		
Without propellers:	12 t	24 t
With propellers:	20 -	40 -
With side auger		
in trough, ø 135 mm:	20 -	40 -
ø 180 mm	40 -	

# TECHNICAL

## Accessories:



**Fig. 1:** Side/back inlet Q16/Q20 is used with an enclosed elevator boot for direct connection of a chain conveyor.

**Fig. 2:** Propellers are needed for side auger connection and supplied either with fixed shaft or hand operated disengagement. The propellers are right or left handed depending on which side of the elevator they are mounted.

**Fig. 3:** Mounting box for vertical elevator. A mounting box for 45° inclined elevator is also available.

**Fig. 4:** Side augers in ø90, ø135 and ø180 are available for left and/or right side.

**Fig. 5:** Adjustable, rotatable, boot can replace the standard boot and mounting box.

**Fig. 6:** Inlet for rotatable boot can be supplied with OK160 or 150ø flange.

## Motor Requirements:

**Table 2**

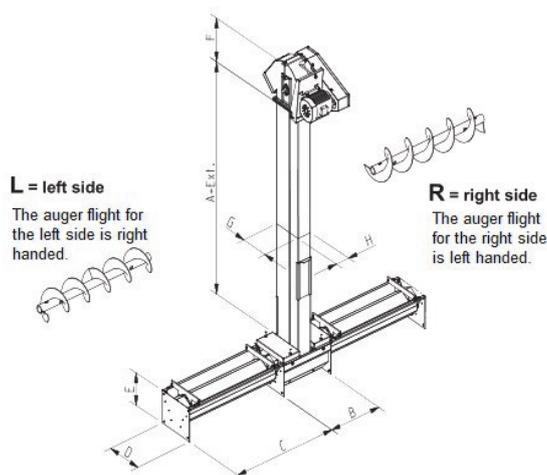
**SE-25** with 1500 rpm motor:

Elevator height total in m	Required kW with 2 feed propellers	Required kW extra with ø90 side auger	Required kW extra with ø135 side auger
3,5 - 5,5	2,2 kW	0,15 kW pr. m	0,25 kW pr. m
6,5 - 8,5	3,0 kW		
9,5 - 11,5	4,0 kW		

**Table 3**

**SE-40** with 1500 rpm motor:

Elevator height total in m	Required kW with 2 feed propellers	Required kW extra with ø90 side auger	Required kW extra with ø135 side auger
3,5 - 4,5	3,0 kW	0,15 kW pr. m	0,25 kW pr. m
5,5 - 6,5	4,0 kW		
7,5 - 9,5	5,5 kW		



Type	A	B	C	D	E	F	G	H
SE - 25	2000+Ext	500	500-1000-2000	360	270	360	280	135
SE - 40	2000+Ext	500	500-1000-2000	360	270	360	280	200

### DRYING:

- ◆ Svegma Continuous Flow or Batch Grain Dryers

- ◆ Drying Silos

### HANDLING:

- ◆ Skandia Elevators & Conveyors

- ◆ Silo Discharge Systems

### STORAGE:

- ◆ Hopper Bottom Square Silos

- ◆ Lorry Loading Silos

- ◆ Round Silos

- ◆ Square Silos

### VENTILATION

- ◆ Low Cost Galvanised Steel

Air Stacks

- ◆ Fans

- ◆ Corraduct Laterals

- ◆ Multibar Laterals

- ◆ Drive-Over Laterals

- ◆ Kool-It Airspears

- ◆ Grain Butler Self Propelled

Stirring Auger

### CLEANING

- ◆ Skandia Dust & Chaff

- ◆ Aagaard Pre-Cleaners

- ◆ Zanin Cleaners

- ◆ Denis Cleaners

- ◆ President Cleaners

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