



**Falköping**  
MADE IN  
**SWEDEN**

**DISCSPREADER**



## Friggeråkers Verkstäder - established 1937

This family company was founded in Falköping in 1937.

Initially the company manufactured simple types of transport fittings. The first sand spreader was manufactured in 1957.

Production began to concentrate on sand spreader manufacture and development of new products advanced surely and steadily. The first salt spreader was produced in 1983.

The factory has 6500 sq.m. of floor space with 40 employees. The factory produces approx. 500 sand and salt spreaders per annum. A service shop and service staff are on hand to supply "on the spot service".

Product development is continuous and market demand oriented.

 Our machines  
are CE marked

*Why make things  
complicated when*

**Falköping**

*makes things easy!*

*Our motto since 1937*

**TRACTOR**



**LIQUID**



**Friggeråkers  
Verkstäder AB**

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*Reservation for changes in construction  
and material specifications.*



# Falköping DISCSPREADER

**COMBI**



**SALT**





# Falköping

*– technically and  
consummately simple*



## Feedscrew

- Double for reliable supply,
- Can be operated at the same time or separately
- Reversible, at a possible stop

- **Pure design without frills**
- **Few moving parts**
- **Simple outfeed design for maximum reliability**
- **Made in Sweden**



## Compact hydraulics

- Manually operated to scale service-friendly modular system
- Excellent precision provided by position finding slider



## Easy on and off loading

- Stable design
- Fast loading system

## Easy loading

- Low loading height
- Steep sides to ensure complete emptying of container
- Low centre of gravity

## Panel PC

- Stepless and synchronised breadth and quantity setting
- Road surface dependent, spreading synchronised with vehicle speed.
- Feed screw with feedback for maximum precision
- Spreading control with indication lamps
- Quantity meter
- Jettisoning
- Feed manoeuvring, right/left or both
- Warning light and lighting
- Simple calibration facilitated by built-in tachometer function
- Prepared for computerized data collection, GPS and GSM activation and control by road surface temperature
- Prepared for external communication CEN/DAU-protocol

## GPS-controlled spreading

Our new developed programme which can be used in easy-to-place Panel PC. The programme can handle routes and spreading schedules which are programmed in advance. The programme handles automatically, quantity, width, symmetry etc.

- The driver can be concentrated on the traffic
- Correct width and symmetry gives a reduction of the spreading quantity.
- During the route the driver gets instructions both visually and by voice.



Panel PC



# Falköping

## DISCSPREADER SALT



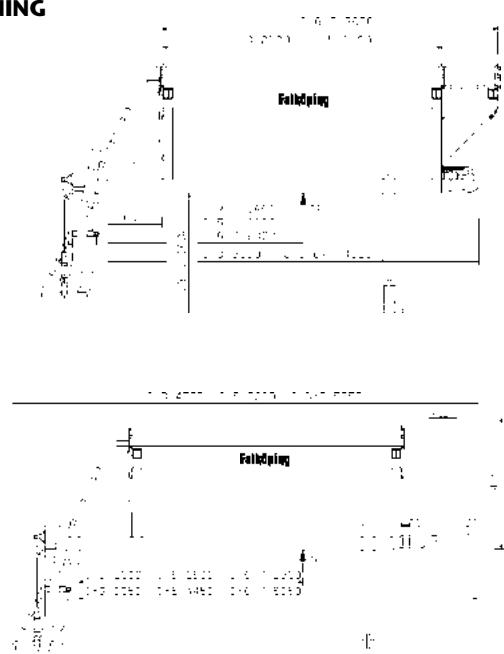
- The salt spreader comes in seven sizes from 0.6-7 m<sup>3</sup>, all models are available with pre wetting equipment which automatically reduces salt quantity required by 30%.
- Models C-06, C-1 and C-2 are designed for smaller trucks. Hydraulic operation with single control feed. Storage legs for empty containers.
- Spreads: sand, shingle, salt and calcium chloride

<b>Model</b>	<b>C-3</b>
	<b>C-5</b>
	<b>C-6</b>
	<b>C-7</b>
	<b>C-06</b>
	<b>C-1</b>
	<b>C-1.5</b>
	<b>C-2</b>

MODEL	C-3	C-5	C-6	C-7	S-MODEL
Volume, m <sup>3</sup>	3.0	5.0	6.0	7.0	
Weight, kg	1 000	1 300	1 400	1 500	
Feeding screw, pc	2	2	2	2	1
Spreading quantity salt, g/m <sup>2</sup>	5-30	5-30	5-30	5-30	
sand, g/m <sup>2</sup>	50-200	50-200	50-200	50-200	
Spreading breadth, m	2-8	2-8	2-8	2-8	
Hydraulic flow at 1 000 rpm salt/sand, l/min	min 30/40 max 60	30/40 60	30/40 60	30/40 60	
Hydraulic pressure min. bar	150	150	150	150	
Operationgn voltage, volts	12, 24	12, 24	12, 24	12, 24	

**Surface finish:** Zinc metallized, primer and 2-component top coat.

**Accessories:** Remote controlled spreading configuration, pre wettening, mixer, hydraulic disc hoist, side jumpers, discharger, height extension frame, twin chambers, runner wheel or motor driven, side tanks etc

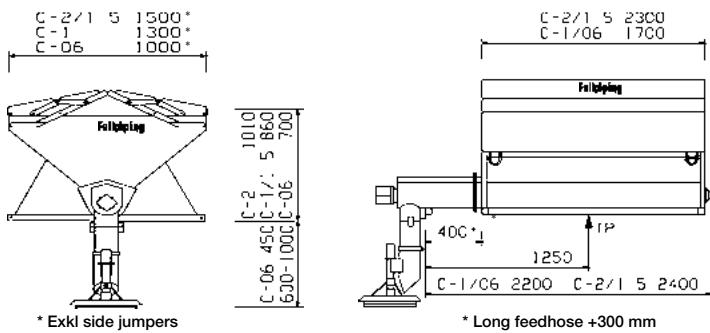


\* Exkl side jumpers. With sidetanks 2350.

MODEL	C-06	C-1	C-1.5	C-2
Volume, m <sup>3</sup>	0.6	1.0	1.5	2.0
Weight, kg	200	250	320	350
Spreading quantity salt, g/m <sup>2</sup>	5-30	5-30	5-30	5-30
sand, g/m <sup>2</sup>	50-200	50-200	50-200	50-200
Spreading breadth, m	2-8	2-8	2-8	2-8
Hydraulic flow at 1 000 rpm salt/sand, l/min	min 20 max 60	20 60	20 60	20 60
Hydraulic pressure min., bar	150	150	150	150
Operationgn voltage, volts	12,24	12, 24	12,24	12, 24

**Surface finish:** Zinc metallized, primer and 2-component top coat.

**Accessories:** Remote controlled spreading configuration, pre wettening, extended feed hose + 300 mm, motor powered.



\* Exkl side jumpers

\* Long feedhose +300 mm



# Falköping DISCSPREADER COMBI



- Spreader for salt liquid and salt, separately or mixed.
- Membrane pump and double feeders provide very exact dosage.
- Spreads: sand, shingle, salt and calcium chloride

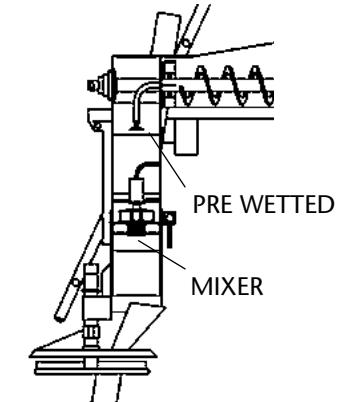
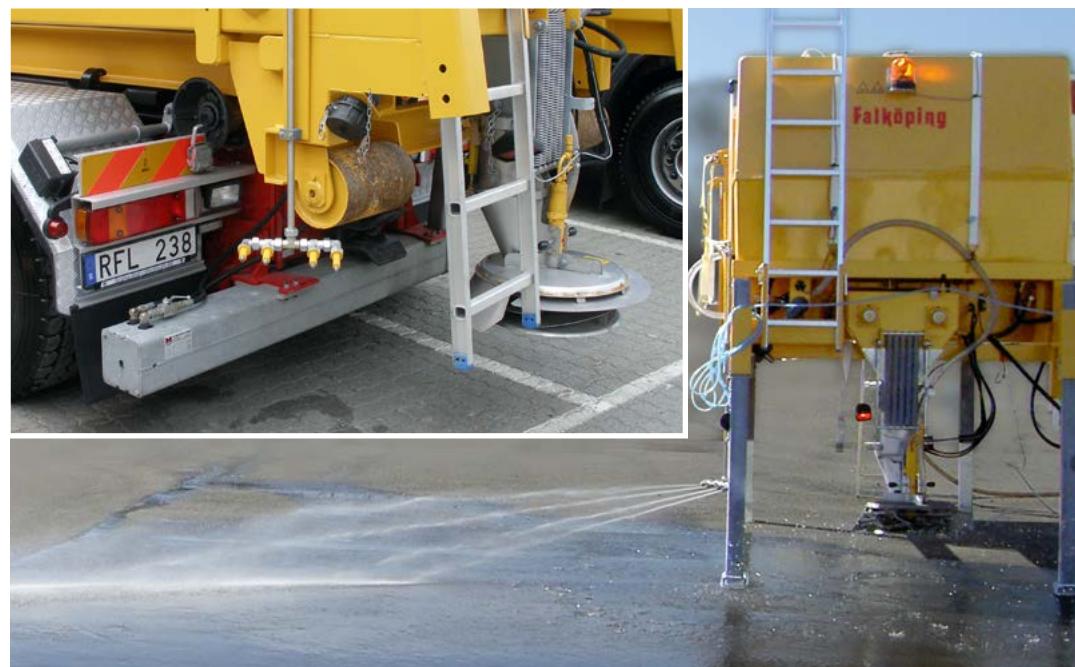
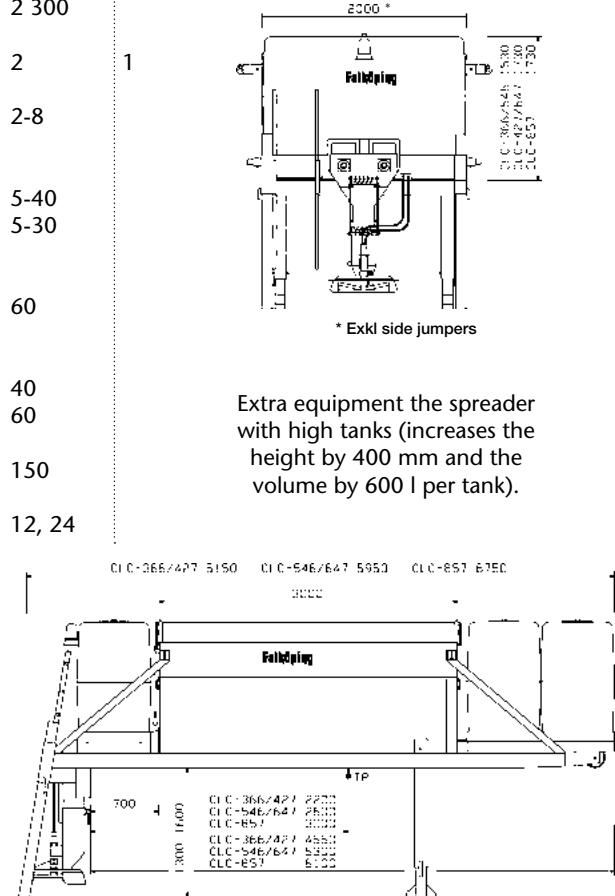
**Model**

**CLC-366  
CLC-427  
CLC-546  
CLC-647  
CLC-857**



MODEL		CLC-366	CLC-427	CLC-546	CLC-647	CLC-857	S-MODEL
Volume, m <sup>3</sup>	solution salt	3.6 6.0	4.2 7.0	5.4 6.0	6.4 7.0	8.5 7.0	
Weight, kg		1 700	1 900	1 900	2 100	2 300	
Feedscrew, Qty		2	2	2	2	2	1
Spreading width, m		2-8	2-8	2-8	2-8	2-8	
Spreading quantity, g/m <sup>2</sup>							
solution salt		5-40 5-30	5-40 5-30	5-40 5-30	5-40 5-30	5-40 5-30	
Spreading speed, km/hr	max	60	60	60	60	60	
Hydraulic flow at 1 000 rpm	min	40	40	40	40	40	
solution/salt, l/m	max	60	60	60	60	60	
Hydraulic pressure min. bar		150	150	150	150	150	
Operating volatage, volts		12, 24	12, 24	12, 24	12, 24	12, 24	

**Surface finish:** Zink metallized, primer and 2-component topcoat.  
**Accessories:** Hydraulic loading system, remote controlled spreading configuration, side jumpers, disc hoist, mixer, sidetanks, larger tanks, High-speed spreading etc



## Mixer

- for making salt slurry.  
 Effective disintegration of moistened salt for optimum slippery surface prevention with salt mixture.

## High speed spreading

Our combi spreaders in the CLC series can be equipped with spreading nozzles which gives you the possibilities to spread in higher speed. The spreading nozzles completes the spreading disc and are automatically activated when the vehicle drives in higher speed.

- Higher speed when spreading
- Retained spreading pattern
- Spreading width up to 13 meters
- Automatic activation of the spreading nozzles when the vehicle drives in higher speed



# Falköping

## LIQUID SPREADER

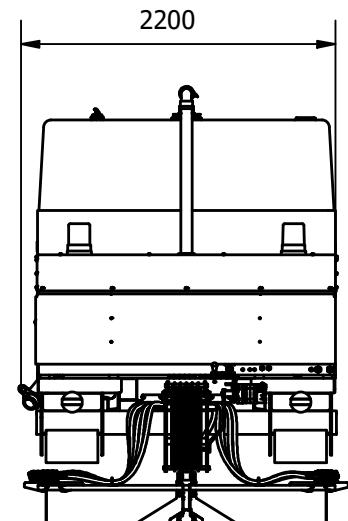
- Liquid spreader with high speeds via nozzles.
- Exact dosage with membrane pump.

Model **CLRK-15H**

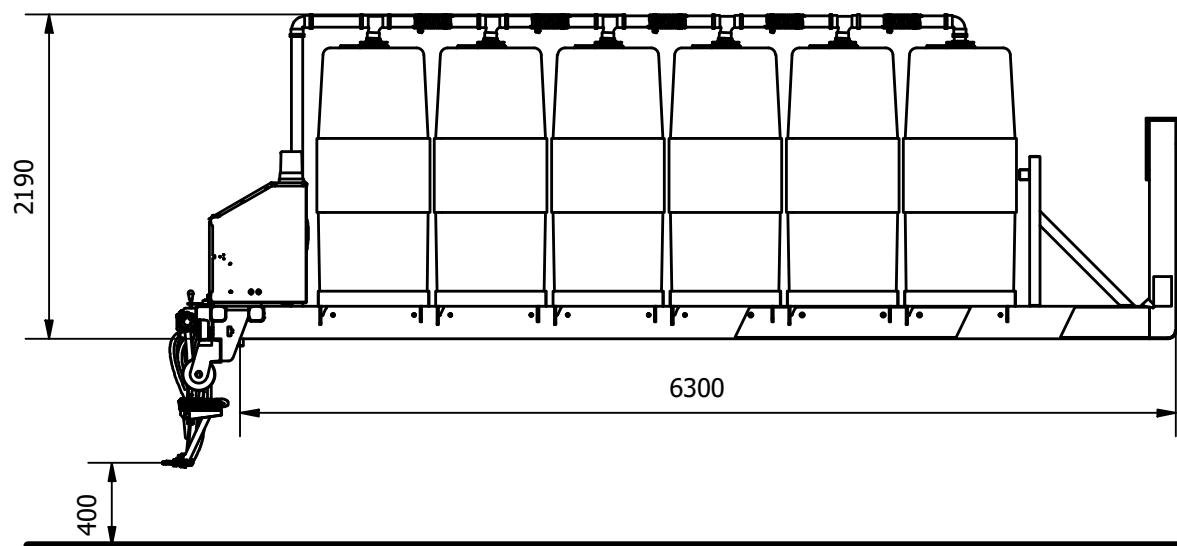


**MODELL** **CLRK-15H**

Volume, m <sup>3</sup>	14,5
Weight, kg	2 300
Spreading speed max, km/hr	80
Spreading quantity, g/m <sup>2</sup>	10-20/40
Spreading breadth, m	3-13
Hydraulic flow at 1 000 rpm	40
Hydraulic flow max	60
Hydraulic pressure min. bar	150
Operating voltage, volts	12, 24



**Surface finish:** Zinc metallized, primer and 2-component topcoat  
**Accessories:** Hydraulic nozzle lift, the spreader can also be delivered in different flat lengths.



## High speed spreading

Our combi spreaders in the CL-series are equipped with spreading nozzles which gives you the possibilities to spread in higher speed.

- Higher speed when spreading
- Retained spreading pattern
- Spreading width up to 13 meters



# Falköping

## LIQUID SPREADER TRACTOR

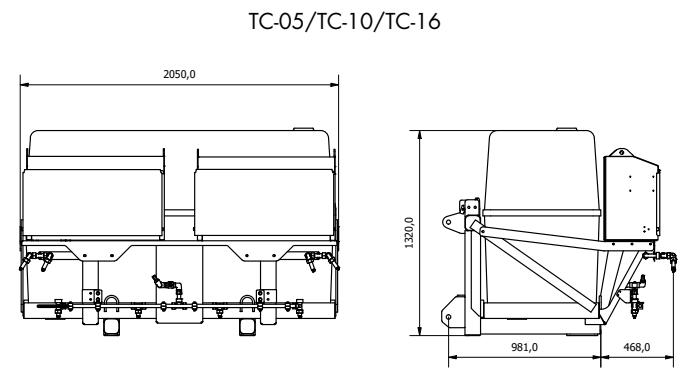
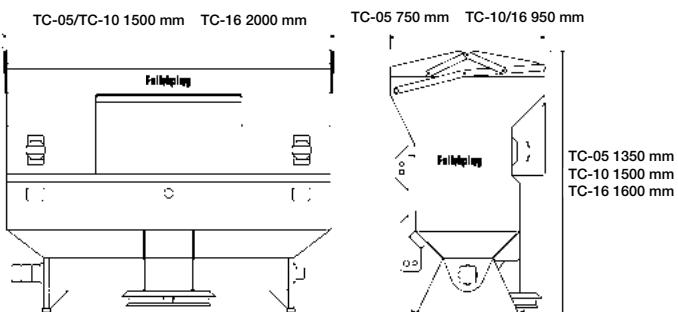
### Modell **TC-05** **TC-10** **TC-16** **CLT**

- Operation from the tractor hydraulic system.
- Spreading width and quantity adjustment from the drivers cab.
- Instrument panel C-365 and Panel PC
- Spreads: sand, salt, shingle and calcium chloride

#### TECNICAL SPECIFICATION | DISCSPREADER TRACTOR

MODELL	TC-05	TC-10	TC-16	CLT-1.8/2.1
Volume sand/salt, m <sup>3</sup>	0.5	1.0	1.6	-
Volym liquid, m <sup>3</sup>	-	-	-	1.8/2.1
Empty weight, kg	310	370	430	600
Length, m	0.75	0.95	0.95	1.45
Width, m	1.50	1.50	2.00	2.50
Height, m	1.35	1.50	1.60	1.32/1.52
Oil flow, l/min	30-60	30-60	30-60	30-60
Oil pressure, bar	>150	>150	>150	>150
Total weight				
- sand, kg	1.100	2.000	3.000	-
- salt, kg	900	1.500	2.300	-
- liquid, kg	-	-	-	2700/3100
Spreading breadth, m	2-8	2-8	2-8	2-4
Spreading quantity, g/m <sup>2</sup>	5-200	5-200	5-200	10-20/40

**Accessories:** Dry material/pre-wetted dry material, mixer, combi type.



Liquid spreader CLT-1.8/2.1



De-icing of artificial turf.

Liquid spreader CLT-1.8/2.1



# Falköping DISCSPREADER SPECIAL

Spreaders for special applications can be manufactured on order. Airport spreaders, chassis mounted spreaders, etc.

*– any kind of spreader  
can be built...*





## ACCESSORIES / OPTIONAL EQUIPMENT



EXAMPLE: SALT LIQUID

Curve 4

Curve 3  
Preventive, very  
wet roadsurface

Curve 2  
Preventive, wet  
roadsurface

Curve 1  
Preventive,  
moistened  
roadsurface



## DATA COLLECTION

For control and read-off of running history of all actual values controlled from the instrument panel. The system can be complemented with GPS for automatic route determination. The controller can communicate via GSM telephone. The temperature of the road surface can be used for automatic salt dosage control.

## IR-AUTOMATIC

Automatic dosage of salt liquid and salt according to road surface temperature. 4 dose curves for different road conditions. The display shows the road and air temperature.

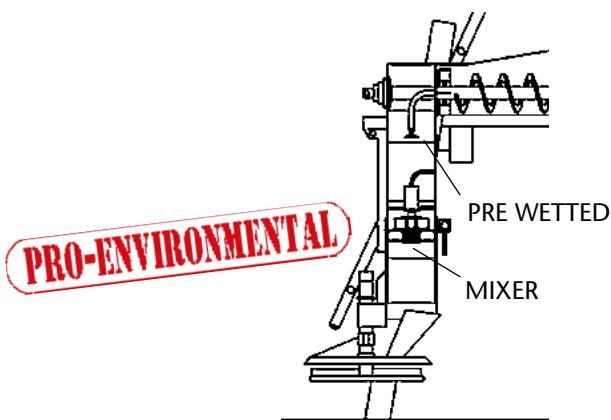


## JET NOZZLES FOR DUSTCONTROL

With the jet nozzles mounted on the CL/CLC-series is easily equipped for dustcontrol with MgCl.

- The existing standard pump is supplemented with pressure equalizationclock and a quick release camlock.
- Spreads maximum 1000 l/km at 20 km/hr
- Height above ground 50 cm
- Spreading breadth 3.0 m
- Quick mounting on existing standard riggers.





## Mixer

For making salt slurry. Effective disintegration of pre wetted salt for optimum slippery surface prevention with salt mixture.



## LOAD CARRIER FRAME

Simple fitting without having to disturb spreader.



## PRE WETTING

Front tank insulated/non-insulated or side tanks with pull-down refilling and overflow guards – automatically reduces spreading material requirement by 30%.



## SPREADING PATTERN CONTROL

Vibrator for heavy materials.



## ADJUSTABLE SPREADING CONFIGURATION

Hydraulically adjustable from instrument panel – rational and reliable.



## HYDRAULIC OPERATION

The spreader is hydraulically powered as standard, with optional runner wheel or motor power. The spreader can always be driven hydraulically, even when runner wheel or motor power is fitted.



## DISC HOIST

Controlled from instrument panel. Prevents damage to disc.



## HIGH SPEED SPREADING

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