CK
INDUSTRIES



2024

www.ck-industries.com

CK INDUSTRIES *The guarantee of successful breeding*



Made in France

Based in Marcoux in the South East of France, CK-Industries is a European manufacturer combining two types of expertise: tubular livestock equipment and manure evacuation systems. CK-Industries covers a large proportion of the needs of cattle, sheep and goat breeders, both indoor and outdoor.

A European actor in the livestock sector since
+40 years

+2000 km
of tubes processed and shipped each year

Cutting-edge know-how and technologies on a site of
+26 000 m²

+200 employees
in a fast-growing group

PDF catalogue
Tubular material



Find out all about our tubular expertise in our **Tubular** catalogue
www.ck-industries.com/catalogues

CK INDUSTRIES
www.ck-industries.com



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Our advice
Choosing the right scraper

The right questions to ask :

What type of breeding do you do?
Dairy, suckler or fattening cows?

▷ This will determine your type of slurry/manure and the type of scraper drive.

What are the characteristics of the building and the alley to be scraped?

Straw-bedded area; Straw, mat or mattress boxes; Hollow boxes with straw/lime, sawdust or sand; Slatted floors, etc. Length of alley, constant width or not, constant longitudinal slope, zero or steep transverse slope, etc.

▷ This will define the type of scraper.

How often will you be scraping?

▷ This defines the training power.

A minimum number of scrapings of 5 to 6 times a day for a rope, cable or chain scraper means you can work safely and keep the alley clean and limits the power required. For less frequent scraping, the drive power will need to be higher.

What type of discharge will be used?

Flat manure, manure on a pit or manure with a collector?

▷ This will make it possible to define the type of scraper supports, pulleys and end stops.

! An on-site visit by a CK-INDUSTRIES advisor is highly recommended, even for a cost estimate based on plans. A visit with the mason at the start of the project is a plus!

Benefits	Constraints :
Straight-shaped ▷ Suitable for slurry ▷ Reduced footprint when parked	▷ Large return width
U-shaped ▷ Particularly suitable for straw and manure slurry, thanks to its heavy weight ▷ Gathers slurry/manure in the center ▷ Can works with convex or concave alleys ▷ Suitable for wide alleys	▷ Higher initial investment
V-shaped ▷ Easily adapts to variations in alley width ▷ Less inconvenience for animals when moving bac kWards ▷ Bring back less straw ▷ Gathers slurry/manure in the center	▷ Wide footprint when parked ▷ Needs a space 1.5 times the width of the alley for the scraper to open. ▷ Lower scraping quality ▷ Requires a perfectly flat slab and continuous lateral guidance of the Rubber blades

system



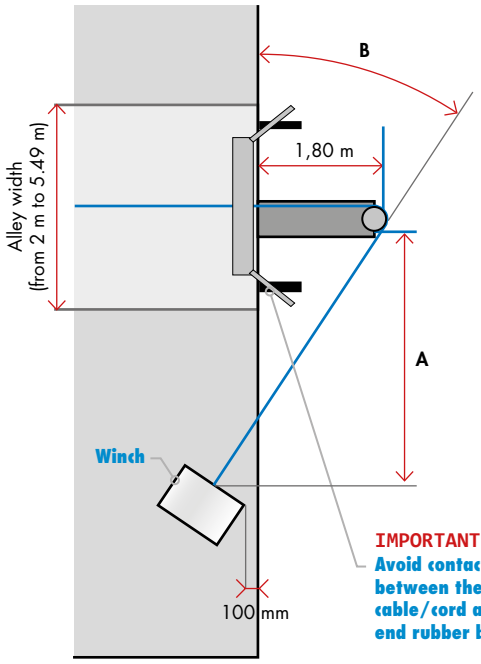
Rope/cable STRAIGHT-SHAPED			
Ref.	Width of alley	Rating A	Angle B
34720	2.00 to 2.25 m	1940 mm	45°
24720	2.26 to 2.50 m	2300 mm	40°
34721	2.51 to 2.75 m	2500 mm	39°
24721	2.76 to 3.00 m	2690 mm	37°
34722	3.01 to 3.25 m	2910 mm	35°
24722	3.26 to 3.50 m	3280 mm	32°
34723	3.51 to 3.75 m	3460 mm	31°
24723	3.76 to 4.00 m	3750 mm	29°
34724	4.01 to 4.25 m	4090 mm	27°
24724	4.26 to 4.50 m	4300 mm	26°
34725	4.51 to 4.75 m	4530 mm	25°
24725	4.76 to 5.00 m	4750 mm	24°
34719	5.01 to 5.25 m	5180 mm	22°
24719	5.26 to 5.50 m	5500 mm	21°

Rope/cable U-SHAPED			
Ref.	Width of alley	Rating A	Angle B
34760	2.50 to 2.75 m	6220 mm	19°
34761	2.76 to 3.00 m	7020 mm	17°
34762	3.01 to 3.25 m	7520 mm	16°
34763	3.26 to 3.50 m	8080 mm	15°
34764	3.51 to 3.75 m	8700 mm	14°
34765	3.76 to 4.00 m	9410 mm	13°
34766	4.01 to 4.25 m	10240 mm	12°
34767	4.26 to 4.50 m	11200 mm	11°
34768	4.51 to 4.74 m	12380 mm	10°
34769	4.76 to 5.00 m	13800 mm	9°
34770	5.01 to 5.25 m	13800 mm	9°
34771	5.26 to 5.50 m	15600 mm	8°

To reduce the length of dimension A, we recommend using a winch column or a second pit-mounted pulley.

Rope/cable VÉ SCRAPER			
Ref.	Width of alley	Rating A	Angle B
24732	2.00 to 2.50 m	1920 mm	45°
24733	2.51 to 3.00 m	2470 mm	39°
24734	3.01 to 3.50 m	2920 mm	35°
24735	3.51 to 4.00 m	3450 mm	31°
24736	4.01 to 4.50 m	3930 mm	28°
24737	4.51 to 5.00 m	4540 mm	25°
24739	5.01 to 5.50 m	4760 mm	24°

EXAMPLE OF A PIT DISCHARGE LAYOUT :



On a flat manure floor, we recommend placing a winch column at the bottom of the manure floor, behind a protective wall. Make provision for drainage around the winch column.

CKI ADVICE

Good to know:

As a general rule, opt for end-of-alley brackets for optimum operation of the scraping system. This slightly higher purchase price avoids additional masonry costs.

If your cows graze, they will tend to bring gravels into the barn. In that case, opt for an assembly with brackets or raise the pulleys!

To save energy, opt for a cable or rope drive.

Pulling winch power rating :

Length	Slurry	Straw
40 to 50 m	0,55 kW	0,75 kW
50 to 70 m	0,75 kW	0,75 kW
70 to 100 m	1,10 kW	1,10 kW

CKI

ROPE OR CABLE SCRAPER

The simple, safe and cost-effective solution

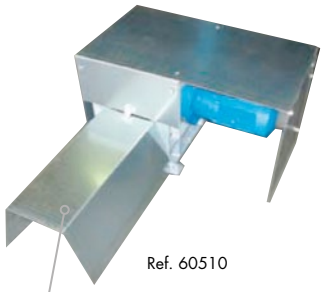


Winches

Ref. 60500 - 60505 - 60515



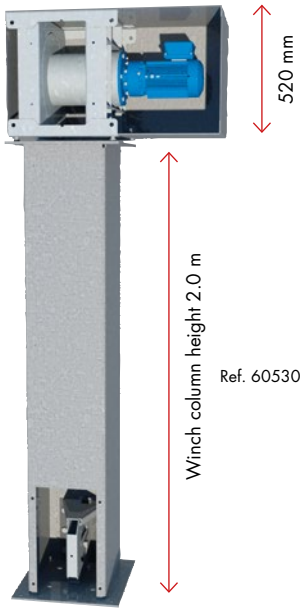
Protections



Ref. 60510

Protection for people and animals. Protection against bad weather, mulching dust and other contaminants.

Winch column



ALLEY LENGTH <100 M

60500	Drive winch 0,55 kW (Alley length: 40 m maximum)
60505	Drive winch 0,75 kW (Alley length: 75 m maximum)
60515	Drive winch 1,10 kW (Alley length: 100 m maximum)
60510	Winch protection (compulsory)
60530	Winch column, height 2.0 m (needs pulley ref. 60526)
60531	Winch protection for winch column (compulsory)

ALLEY LENGTH >100 M

60506	Drive winch 0,75 kW high capacity drum (for bac kWards only)
60516	Drive winch 1,10 kW high capacity drum (Alley length: 130 m maximum)
60517	Drive winch 1,5 kW high capacity drum (Alley length: 180 m maximum)
60518	Winch protection high capacity drum (compulsory)
60532	Heavy-duty 2.5 m high winch winch column (needs pulley ref 60526)
60533	Winch protection for column high capacity drum (compulsory)

It is compulsory to fit the winch protectors. In the event of non-compliance, CK-Industries cannot be held responsible.

Cable or rope offer a number of advantages:

- Easy to installation
- Easy maintenance
- Animal safety
- Low energy consumption



DUO or QUATRO control box

- **Animal safety thanks to the intelligent box**
- Programmable scraping
- Frost protection system as standard
- Collector control
- Multi-stage management
- Back-up battery (Mains failure management)
- Emergency stop
- Possibility of controlling up to 8 winches

Ref. 60561
Ref. 60566



Touch screen versions

Ref. 60562
Ref. 60567



SMS alerts on your phone as an option

Ref. 60575



CONTROL UNITS

60561	Duo box (controls 2 winches)
60562	Duo box with touch screen
60566	Quatro box (controls 4 winches)
60567	Quatro box with touch screen

OPTIONS

GSM/R communication module ref. 60575



Patented Model





60578	On/off control box
20535	Remote control unit for cable and chain scraper
ELE0087	Shielded electric cable between control unit and remote control unit
60570	Extension module, 4 winches (available only fo QUATRO unit box)
60575	Inductive limit switches
60576	Virtual end stop for 1 scraping alley
60579	Support for 1 limit switch on alley
60351	Remote control for cable scraper
SPE1599	Upgradeable chain/cable scraper box + GCS

CKI ADVICE

Where to install the control box :

The control boxes must be installed in a closed room to limit their exposure to outside elements such as animals, droppings, humidity, sunlight, etc.

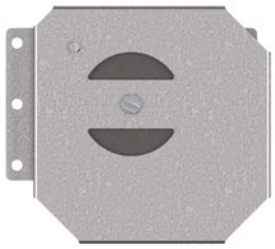
CKI

ROPE OR CABLE SCRAPER

The simple, safe and cost-effective solution









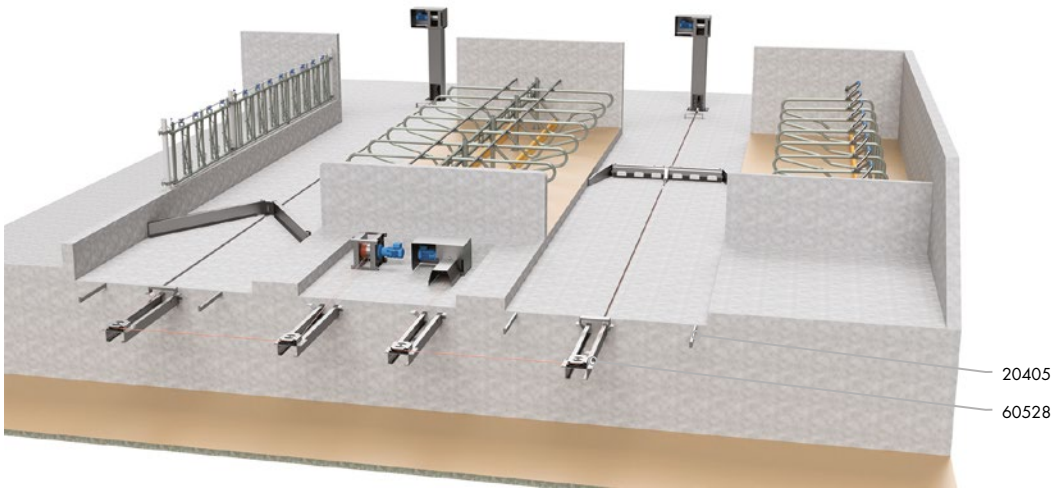
Ref. 60520
Horizontal corner pulley + protection
Ø 250 mm



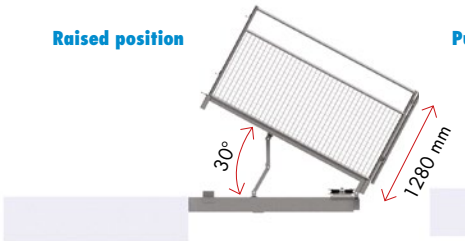
Ref. 60525
Vertical corner pulley + protection
Ø 250 mm

PULLEYS

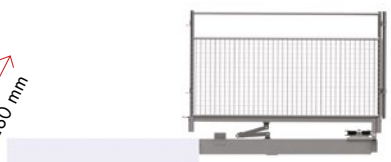
60520	Pulley for ground fixation Ø 250 (horizontal)
60525	Pulley for ground fixation Ø 250 (vertical)
60526	Pulley for winch column Ø 250 (vertical)
60528	Pulley for manure pit fixation Ø 250 (horizontal) + support for manure pit
60529	Pulley for manure pit fixation Ø 250 (vertical) + support for manure pit



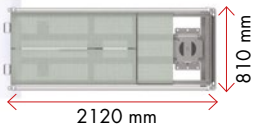
Raised position



Pulley access position



Top view



GATEWAY

60555	Workers wal kWay to access to the pulley on collection pit (cable scraper)



My 67-place building with Holsteins and Montbéliardes in back-to-back straw-bedded cubicles has been cleaned by two CK-INDUSTRIES scrapers since it opened in 2017. Both are rope-operated. In my opinion, that's the safest way to go. Over a length of 45 m and a width of 4 m, one scrapes the straw from the cubicles into a multi-tasking manure bin, and the other deals with the slurry in front of the headlocks. In winter, I have them pass by 4 times a day, and they have long since won my total confidence.

Thierry DANIEL, dairy farmer in Brittany



60540

Stainless steel cable with textile core Ø 10 mm
Tensile strength: 5.1 T



60543

10 mm synthetic fibre rope
Tensile strength: 10 T



60548

12 mm synthetic fibre rope
Tensile strength: 13 T

CKI ADVICE

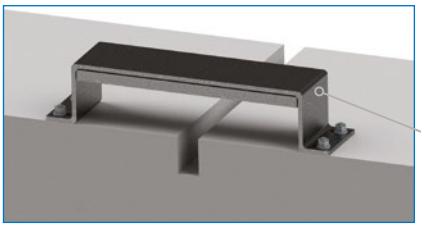
Order the right length:

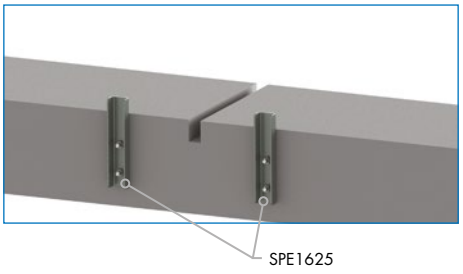
- **Stainless steel cable Ø10 mm**
  Longueur du couloir + 10 m per winch.
- **Ø10 mm rope :**
  Alley length + 15 m per winch.
- **Ø12 mm rope :**
  Alley length + 15 m per winch.

ROPE AND CABLE

Make sure you order the right cable/rope length. See 'CKI ADVICE' above.

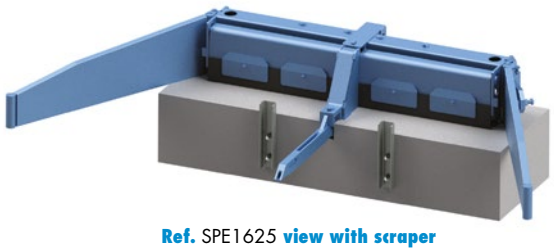
60540	Stainless steel wire rope Ø 10mm (per meter)
60543	Synthetic fiber wire rope Ø 10mm (per meter)
60548	Synthetic fiber wire rope Ø 12mm (per meter)







Ref. 60645 **view with scraper**



Ref. SPE1625 **view with scraper**

END OF CORRIDOR STOP SYSTEM

60545	Way end stopper for scraper + screws (for ground fixation)
60547	Way end stopper for scraper + screws (for fixation on support for manure pit)
SPE1625	Way end stopper for scraper + screws (for fixation on the side of pit)

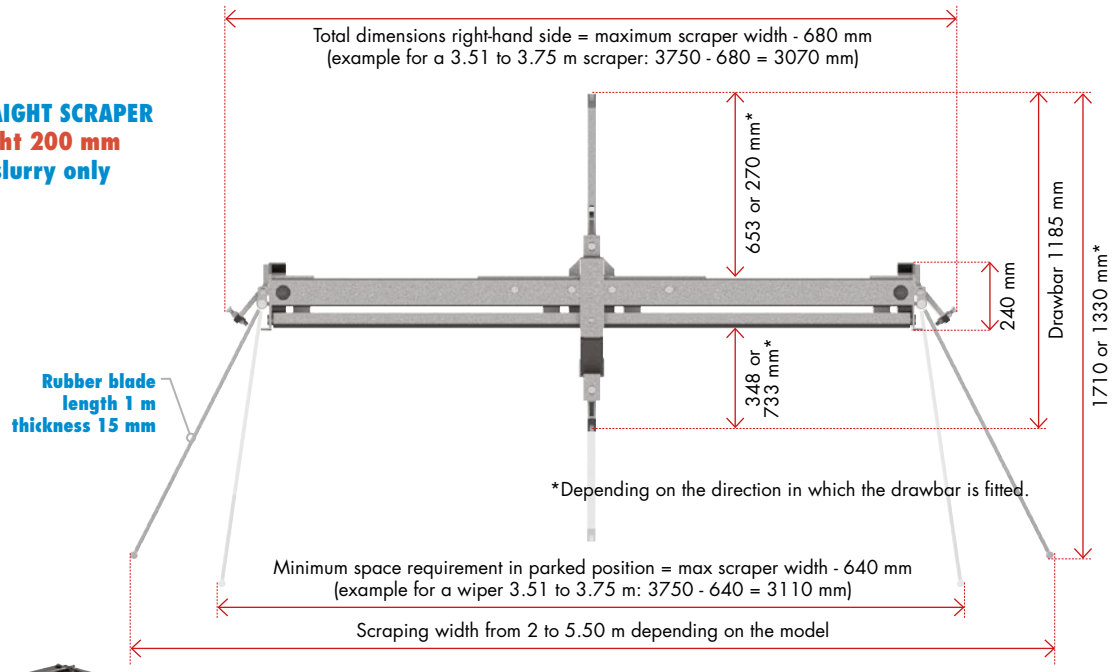
CKI

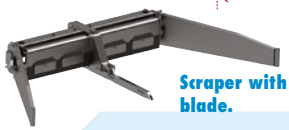
ROPE OR CABLE SCRAPER

Straight



STRAIGHT SCRAPER
height 200 mm
for slurry only

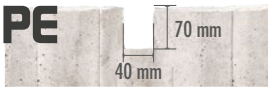




Scraper with Rubber blade.

- **Ballastable, hot-dip galvanised**
- Central movable rubber blades that can be raised and fitted with optional rubber bladeing
- Scraper height: 200 mm
- End Rubber blades 1m long, 15 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option: Contact us
- Drawbar cross-section can be adapted for different grooves: Contact us

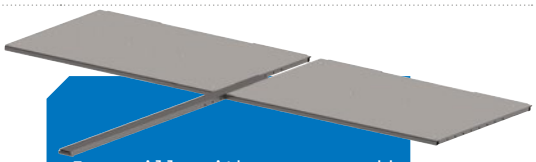
HT200 STRAIGHT SCRAPER WITH CABLE/ROPE



4x7 cm guide slot

34220	Ballastable straight scraper, high 200, length 2,00 m to 2,24 m
24220	Ballastable straight scraper, high 200, length 2,25 m to 2,49 m
34221	Ballastable straight scraper, high 200, length 2,50 m to 2,74 m
24221	Ballastable straight scraper, high 200, length 2,75 m to 2,99 m
34222	Ballastable straight scraper, high 200, length 3,00 m to 3,24 m
24222	Ballastable straight scraper, high 200, length 3,25 m to 3,49 m
34223	Ballastable straight scraper, high 200, length 3,50 m to 3,74 m
24223	Ballastable straight scraper, high 200, length 3,75 m to 3,99 m
34224	Ballastable straight scraper, high 200, length 4,00 m to 4,24 m
24224	Ballastable straight scraper, high 200, length 4,25 m to 4,49 m
34225	Ballastable straight scraper, high 200, length 4,50 m to 4,74 m
24225	Ballastable straight scraper, high 200, length 4,75 m to 4,99 m
34219	Ballastable straight scraper, high 200, length 5,00 m to 5,24 m
24219	Ballastable straight scraper, high 200, length 5,25 m to 5,49 m

20405	Guide rail for manure pit (use 2 per alley)
20704	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



For spills with a cover rubbe
blade :
Contact us

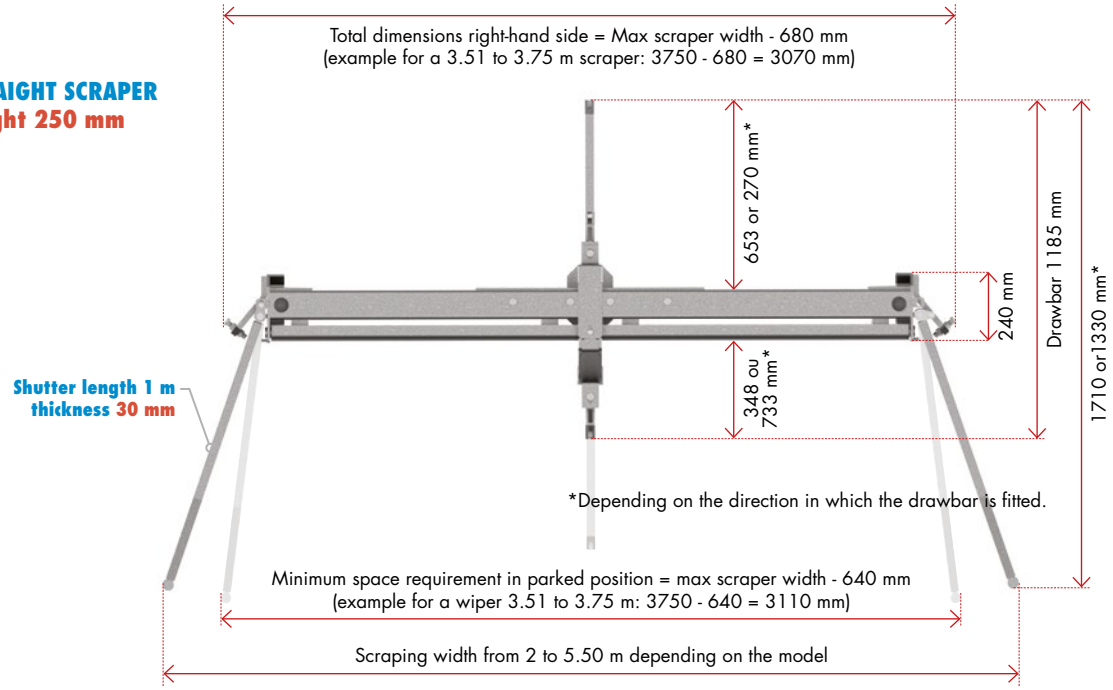
For slurry only!



We inaugurated our 100-cow barn at the beginning of 2020. It's fully equipped with CK-INDUSTRIES: cubicles without posts, headlocks, barriers and scrapers. I was particularly impressed by the quality of the support I received from the CK sales representative and the dealer, especially with regard to the scrapers. In total, my two round-trip rope scrapers collect slurry over a length of 85m. It was necessary to adjust the power of the drive unit, but this is easily done on the control box.

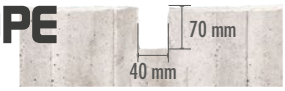
Julien ADAM, dairy farmer in Brittany

STRAIGHT SCRAPER
height 250 mm



- **Bellastable, hot-dip galvanised**
- Central movable rubber blades that can be raised and fitted with optional rubber bladeing
- Scraper height: 250 mm
- End rubber blades 1 m long, 30 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option: Contact us
- Drawbar cross-section can be adapted for different grooves: Contact us

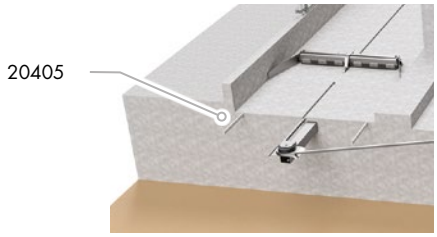
HT250 STRAIGHT SCRAPER WITH CABLE/ROPE



4x7 cm guide slot

34720	Ballastable straight scraper, high 250, length 2,00 m to 2,24 m
24720	Ballastable straight scraper, high 250, length 2,25 m to 2,49 m
34721	Ballastable straight scraper, high 250, length 2,50 m to 2,74 m
24721	Ballastable straight scraper, high 250, length 2,75 m to 2,99 m
34722	Ballastable straight scraper, high 250, length 3,00 m to 3,24 m
24722	Ballastable straight scraper, high 250, length 3,25 m to 3,49 m
34723	Ballastable straight scraper, high 250, length 3,50 m to 3,74 m
24723	Ballastable straight scraper, high 250, length 3,75 m to 3,99 m
34724	Ballastable straight scraper, high 250, length 4,00 m to 4,24 m
24724	Ballastable straight scraper, high 250, length 4,25 m to 4,49 m
34725	Ballastable straight scraper, high 250, length 4,50 m to 4,74 m
24725	Ballastable straight scraper, high 250, length 4,75 m to 4,99 m
34719	Ballastable straight scraper, high 250, length 5,00 m to 5,24 m
24719	Ballastable straight scraper, high 250, length 5,25 m to 5,49 m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



For slurry only!

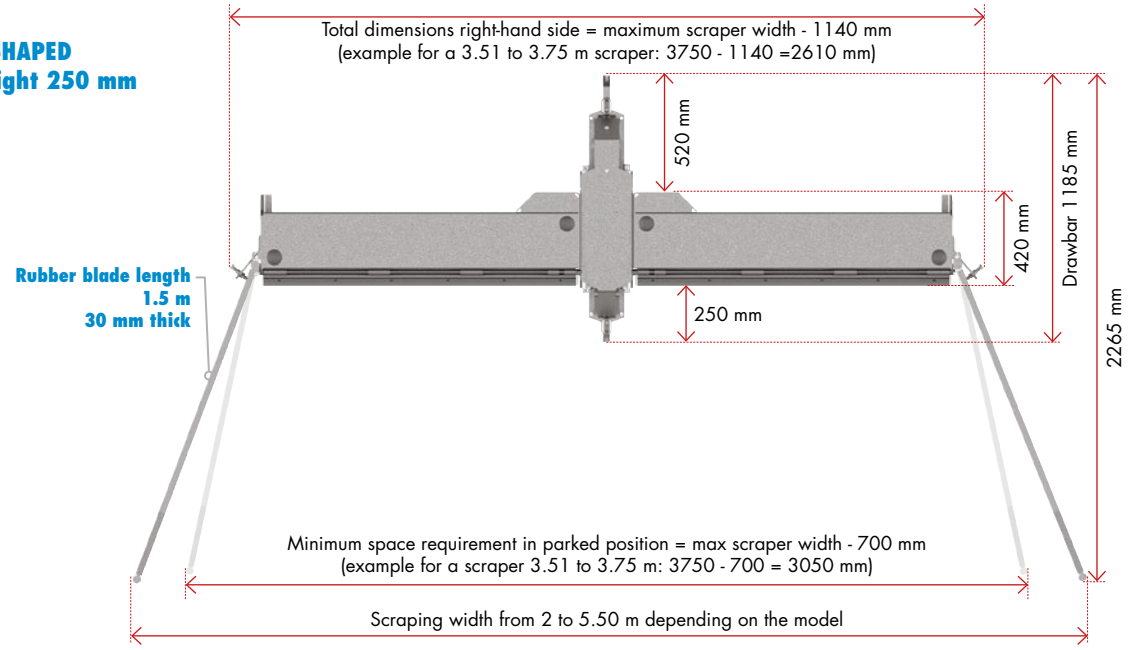
CKI

ROPE OR CABLE SCRAPER

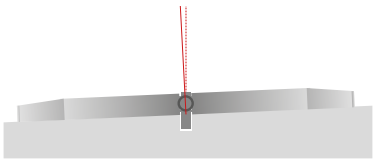
U-shaped



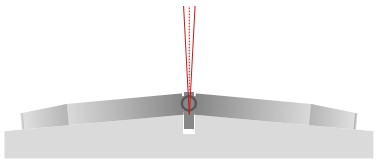
U SHAPED
height 250 mm



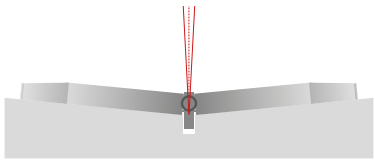
- **Bellastable, hot-dip galvanised**
- Central movable and raisable Rubber blades
- Scraper height: 250 mm
- End Rubber blades lg: 1.5 m
  Thickness 30 mm
- Quick opening
- Reduced parking position (footprint = 2.5 m)
- Offset scraper/alley option: Contact us
- Drawbar cross-section can be adapted for different grooves: Contact us



Maximum cross slope 2 to 3%.



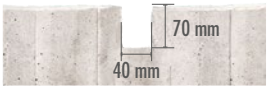
Maximum concave slope 2 to 3%.



Maximum convex slope 2 to 3%.

HT250 U SCRAPER WITH CABLE/ROPE

4x7 cm guide slot



34760	U-shaped rope/cable scraper, high 250, length 2,50 to 2,74m
34761	U-shaped rope/cable scraper, high 250, length 2,75 to 2,99m
34762	U-shaped rope/cable scraper, high 250, length 3,00 to 3,24m
34763	U-shaped rope/cable scraper, high 250, length 3,25 to 3,49m
34764	U-shaped rope/cable scraper, high 250, length 3,50 to 3,74m
34765	U-shaped rope/cable scraper, high 250, length 3,75 to 3,99m
34766	U-shaped rope/cable scraper, high 250, length 4,00 to 4,24m
34767	U-shaped rope/cable scraper, high 250, length 4,25 to 4,49m
34768	U-shaped rope/cable scraper, high 250, length 4,50 to 4,74m
34769	U-shaped rope/cable scraper, high 250, length 4,75 to 4,99m
34770	U-shaped rope/cable scraper, high 250, length 5,00 to 5,24m
34771	U-shaped rope/cable scraper, high 250, length 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats

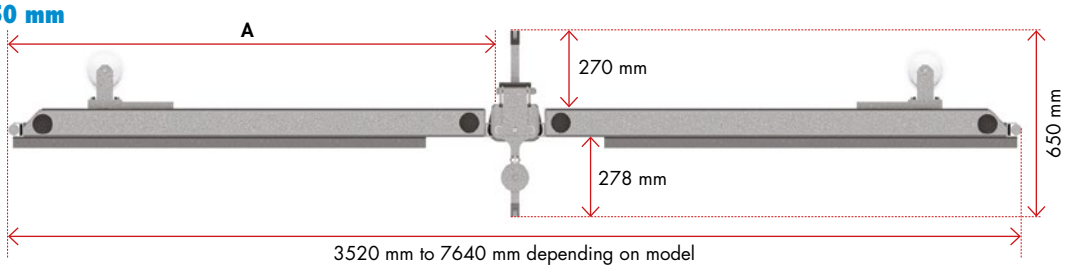
CKI

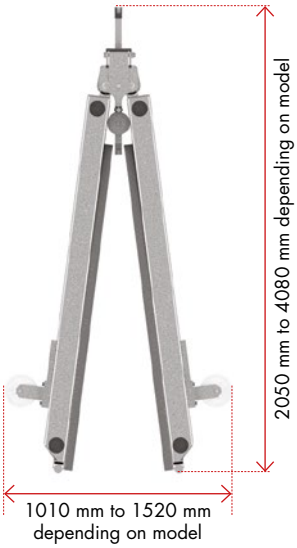
ROPE OR CABLE SCRAPER

V-shaped



VE SHAPED
height 250 mm



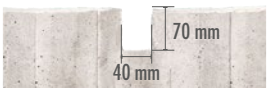


Ref.	Width of alley	A
24732	2.00 to 2.50 m	1710 mm
24733	2.51 to 3.00 m	2110 mm
24734	3.01 to 3.50 m	2460 mm
24735	3.51 to 4.00 m	2760 mm
24736	4.01 to 4.50 m	3110 mm
24737	4.51 to 5.00 m	3460 mm
24739	5.01 to 5.50 m	3760 mm

- **VÉ HT250 cable/rope scraper**
- Rubber blades adaptable to alley width
- Height: 250 mm
- Parking position: 1.5 x alley width
- Drawbar cross-section can be adapted for different grooves: Contact us

VE HT250 CABLE/ROPE SCRAPER

4x7 cm guide slot

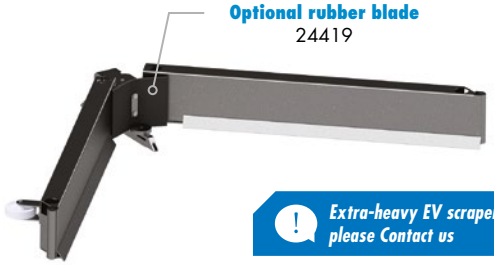


24732	V-shaped rope/cable scraper, high 250, length 2,00 to 2,49m
24733	V-shaped rope/cable scraper, high 250, length 2,50 to 2,99m
24734	V-shaped rope/cable scraper, high 250, length 3,00 to 3,49m
24735	V-shaped rope/cable scraper, high 250, length 3,50 to 3,99m
24736	V-shaped rope/cable scraper, high 250, length 4,00 to 4,49m
24737	V-shaped rope/cable scraper, high 250, length 4,50 to 4,99m
24739	V-shaped rope/cable scraper, high 250, length 5,00 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper



Optional rubber blade
24419



Extra-heavy EV scraper : please Contact us

CKI

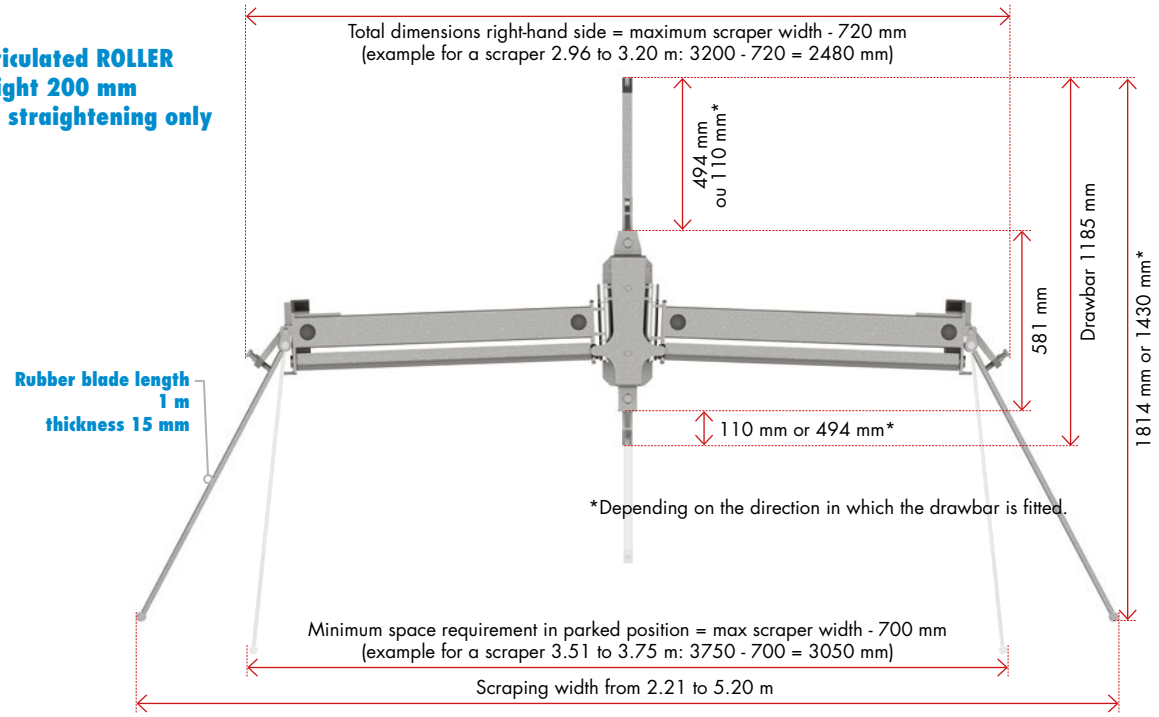
ROPE OR CABLE SCRAPER

articulated for slurry



NEW

Articulated ROLLER
height 200 mm
for straightening only



- **Suitable for alleys with a cross slope**
- **Bellastable, hot-dip galvanised**
- Central movable rubber blades that can be raised and fitted with optional rubber blade
- Scraper height: 200 mm
- End rubber blades lg 1 m, thickness 15 mm
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option
- Drawbar cross-section can be adapted for different grooves: Contact us

Needs 6 to 8 weeks for delivery.

HT200 ARTICULATED CABLE/ROPE SCRAPER



4x7 cm guide slot

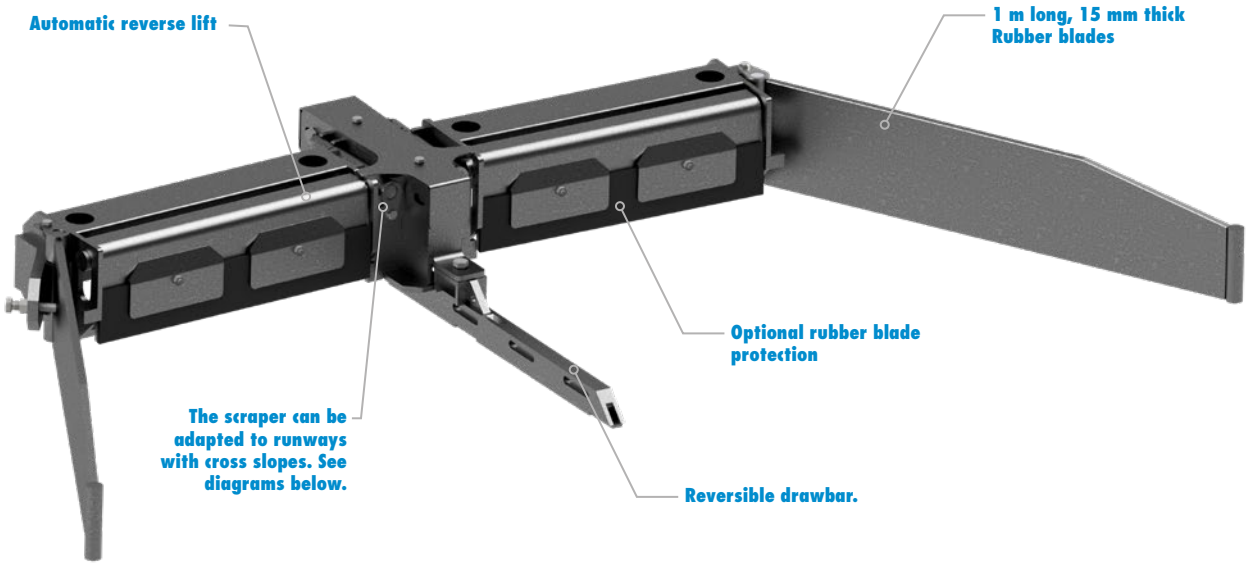
34230	Articulated cable/rope scraper, high 200, length 2.21 to 2.45 m Slurry
24230	Articulated cable/rope scraper, high 200, length 2.46 to 2.70 m Slurry
34231	Articulated cable/rope scraper, high 200, length 2.71 to 2.95 m Slurry
24231	Articulated cable/rope scraper, high 200, length 2.96 to 3,20 m Slurry
34232	Articulated cable/rope scraper, high 200, length 3,21 to 3,45 m Slurry
24232	Articulated cable/rope scraper, high 200, length 3,71 to 3,95 m Slurry
34233	Articulated cable/rope scraper, high 200, length 3,96 to 4,20 m Slurry
24233	Articulated cable/rope scraper, high 200, length 3.46 to 3.70 m Slurry
34234	Articulated cable/rope scraper, high 200, length 4,21 to 4,45 m Slurry
24234	Articulated cable/rope scraper, high 200, length 4,71 to 4,95 m Slurry
34235	Articulated cable/rope scraper, high 200, length 4.46 to 4.70 m Slurry
24235	Articulated cable/rope scraper, high 200, length 4.96 to 5,20 m Slurry

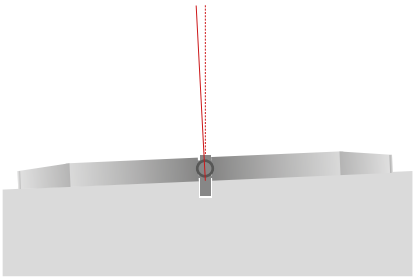
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m
20405	Guide rail for manure pit (use 2 per alley)

The articulated scraper is particularly recommended for carpets and grooved concrete, and for alleys with drainage. It adapts to transverse slopes.

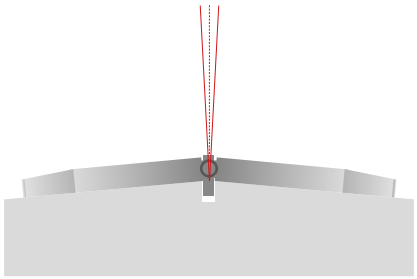
NEW

Articulated ROLLER, height 200 mm for straightening

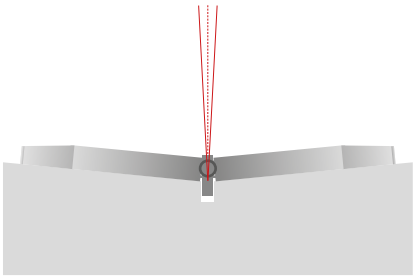




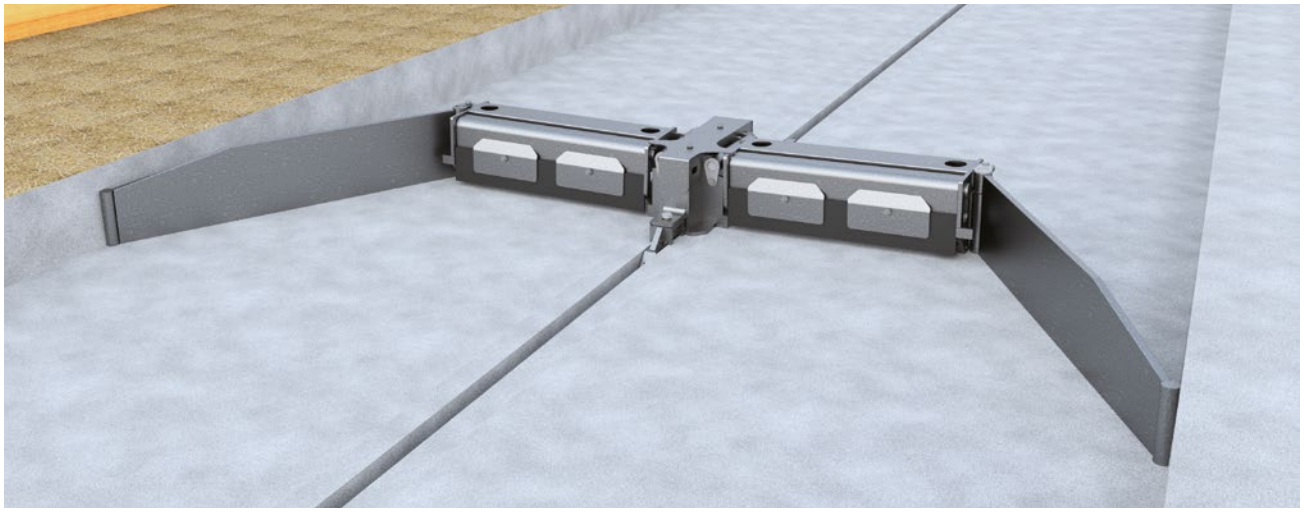
Maximum cross slope 2 to 3%.



Maximum concave slope 2 to 3%.



Maximum convex slope 2 to 3%.



CKI

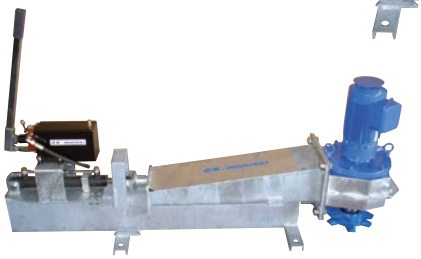
MARINE CHAIN SCRAPER

For alley of identical length



Screw tension
(original)





Manual hydraulic tensioning
Option 20130



Automatic hydraulic tensioning
Option 20131

! For chain lengths in longer 250 m, please contact us.

COMPLETE DRIVE MECHANISM

20501	2 HP drive Mechanism (maximum 160 m chain length)	20130	Option : Hydraulic tension manual
20520	3 HP drive Mechanism (maximum 250 m chain length)	20131	Option : Hydraulic tension automatic



Standard version
30526

MILLENIUM control box

- Scraper programming
- Frost protection system as standard
- Collector control
- Back-up battery (Mains failure management)
- Emergency stop
- Multi-stage management



Touch screen version
30527

CONTROL BOX

30526	Millenium control box, including limit switch	ELE0087	Shielded electric cable between control unit and remote control unit (1 metter)
30527	Millenium control box, touch screen, incl. limit switch		



Ref. 20535

OPTIONS

60578	On/off control box
20535	Remote chain/cable scraper control box option only with ref 30526
SPE1599	Upgradeable scraper chain/cable box + GCS

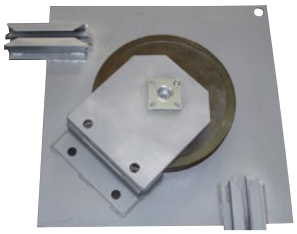
Marine chain scraper systems can be used for two lanes of different lengths, provided that disengageable scrapers are used.



Breaking strength: 21 tonnes
Weight: 4 kg/ml

MARINE CHAIN 14 X 50

26015	Chain 14x50 mm with connecting links, per metre



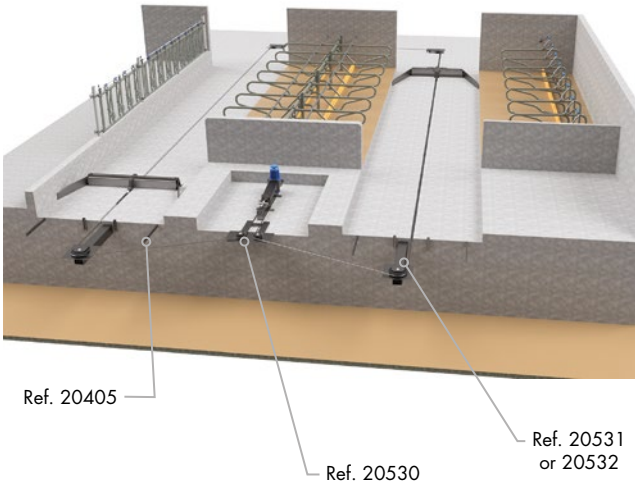
Réf. 20519

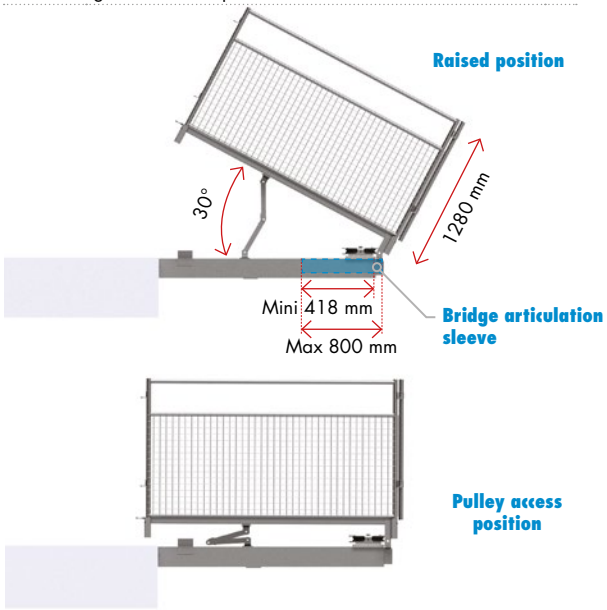
Ø180 or Ø350 angle pulleys with chain guides, axle, steel ring and grease nipple

PULLEY WITH CHAIN GUIDES

20104	Pulley Ø 180 (for 1 alley)
20204	Pulley Ø 180 (for 1 alley) + chain guide
20519	Pulley Ø 350 (for 1 alley) + chain guide

20536	Pulley protection Ø350 and Ø180
20530	Pulley support for Pulley Ø 180 twinned + chain guide/ manure pit
20533	Pulley support for Pulley Ø 350 twinned + chain guide/ manure pit



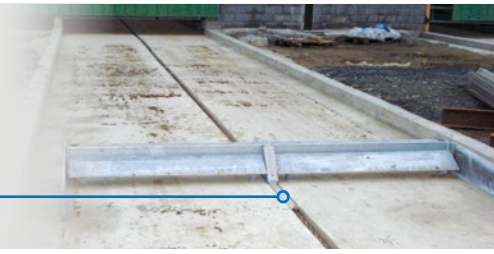


DISCHARGE FOR 1 ALLEY

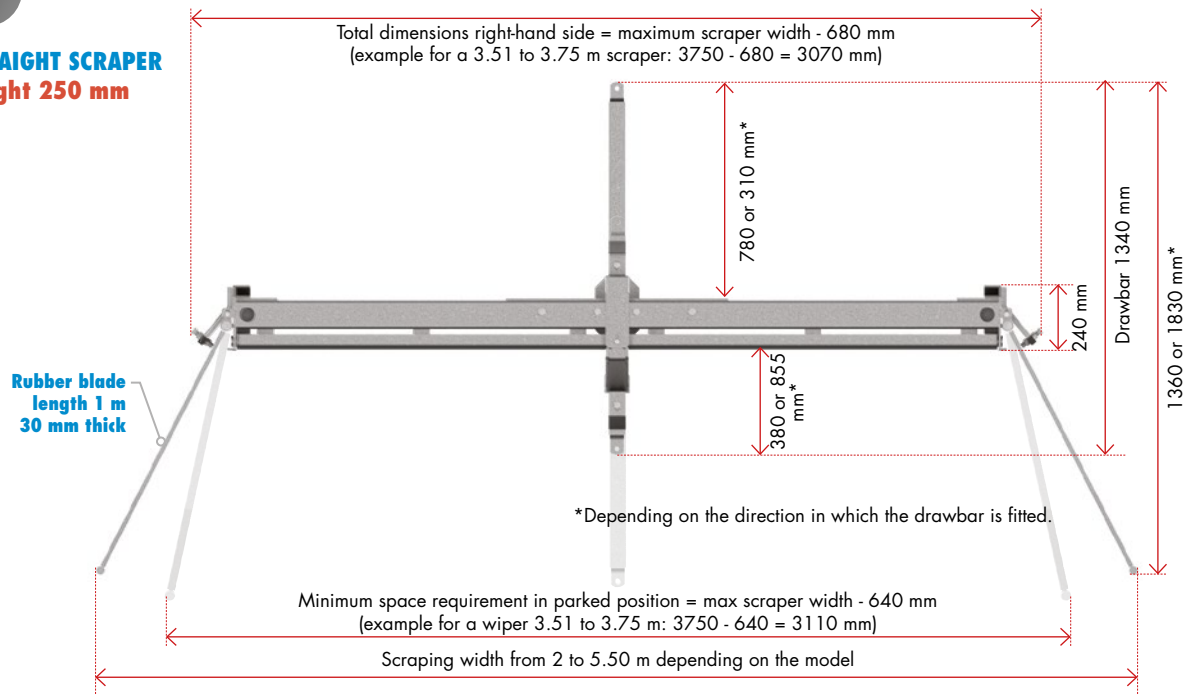
20405	Scraper support for pit discharge (unit) - provide 2 per alley
20531	Ø350 pulley support + chain guide on pit
20532	Ø180 pulley support + chain guide on pit (1 lane installation)
20555	Gateway for pulley on chain scraper pit
20534	Lubrication extension Pulley / Pit

CKI

MARINE CHAIN SCRAPER



STRAIGHT SCRAPER
height 250 mm



- **Bellastable, hot-dip galvanised**
- Central movable and raisable Rubber blades
- Scraper height: 250 mm
- 1 m long end Rubber blades, 30 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option
- Drawbar cross-section can be adapted for different grooves: Contact us

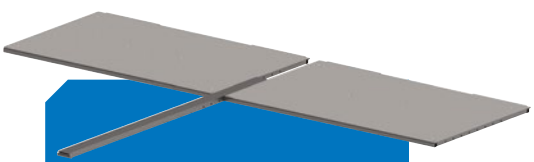
HT250 STRAIGHT SCRAPER (60X60 DRAWBAR)

7x6 cm guide slot



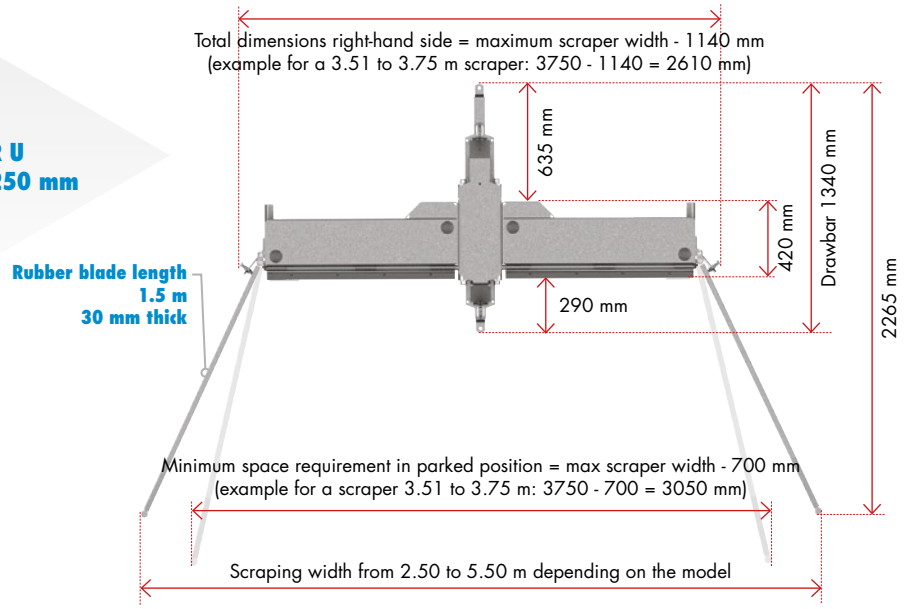
30720	Ballastable straight chain scraper CM, length 2,00 m to 2,24 m
20720	Ballastable straight chain scraper CM, length 2,25 m to 2,49 m
30721	Ballastable straight chain scraper CM, length 2,5 m to 2,74 m
20721	Ballastable straight chain scraper CM, length 2,75 m to 2,99 m
30722	Ballastable straight chain scraper CM, length 3,00 m to 3,24 m
20722	Ballastable straight chain scraper CM, length 3,25 m to 3,49 m
30723	Ballastable straight chain scraper CM, length 3,50 m to 3,74 m
20723	Ballastable straight chain scraper CM, length 3,75 m to 3,99 m
30724	Ballastable straight chain scraper CM, length 4,00 m to 4,24 m
20724	Ballastable straight chain scraper CM, length 4,25 m to 4,49 m
30725	Ballastable straight chain scraper CM, length 4,50 m to 4,74 m
20725	Ballastable straight chain scraper CM, length 4,75 m to 4,99 m
30719	Ballastable straight chain scraper CM, length 5,00 m to 5,24 m
20719	Ballastable straight chain scraper, length 5,25 m to 5,49 m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



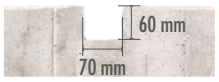
For spills with a cover rubbe
blade :
Contact us

SCRAPER U
Height 250 mm



HT250 U SCRAPER (60X60 DRAWBAR)

7x6 cm guide slot



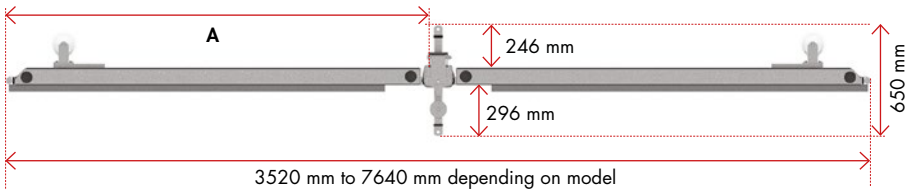
30760	Ballastable U shaped chain scraper CM length 2.75 to 2.99m
30761	Ballastable U shaped chain scraper CM length 2.75 to 2.99m
30762	Ballastable U shaped chain scraper CM length 3 to 3.24m
30763	Ballastable U shaped chain scraper CM length 3.25 to 3.49m
30764	Ballastable U shaped chain scraper CM length 3.5 to 3.74m
30765	Ballastable U shaped chain scraper CM length 3.75 to 3.99m
30766	Ballastable U shaped chain scraper CM length 4 to 4.24m
30767	Ballastable U shaped chain scraper CM length 4.25 to 4.49m
30768	Ballastable U shaped chain scraper CM length 4.5 to 4.74m
30769	Ballastable U shaped chain scraper CM length 4.75 to 4.99m
30770	Ballastable U shaped chain scraper CM length 5 to 5.24 m
30771	Ballastable U shaped chain scraper CM length 5.25 to 5.49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats





V SCRAPER HEIGHT 250 MM



Ref.	20732	20733	20734	20735	20736	20737	20738
Width of alley	2,00 to 2,50 m	2,51 to 3,00 m	3,01 to 3,50 m	3,51 to 4,00 m	4,01 to 4,50 m	4,51 to 5,00 m	5,01 to 5,50 m
A	1710 mm	2110 mm	2460 mm	2760 mm	3110 mm	3460 mm	3760 mm

HT250 SCREW SCRAPER (50X50 DRAWBAR)

7x6 cm guide slot



20732	Ballastable V - shaped chain scraper CM, length 2,00 m to 2,49 m
20733	Ballastable V - shaped chain scraper CM, length 2,50 m to 2,99 m
20734	Ballastable V - shaped chain scraper CM, length 3,00 m to 3,49 m
20735	Ballastable V - shaped chain scraper CM, length 3,50 m to 3,99 m
20736	Ballastable V - shaped chain scraper CM, length 4,00 m to 4,49 m
20737	Ballastable V - shaped chain scraper CM, length 4,50 m to 4,99 m
20739	Ballastable V - shaped chain scraper CM, length 5,00 m to 5,49 m

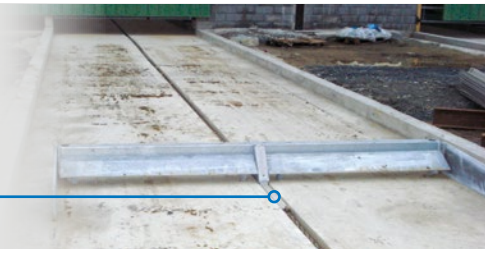
20405	Guide rail for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper



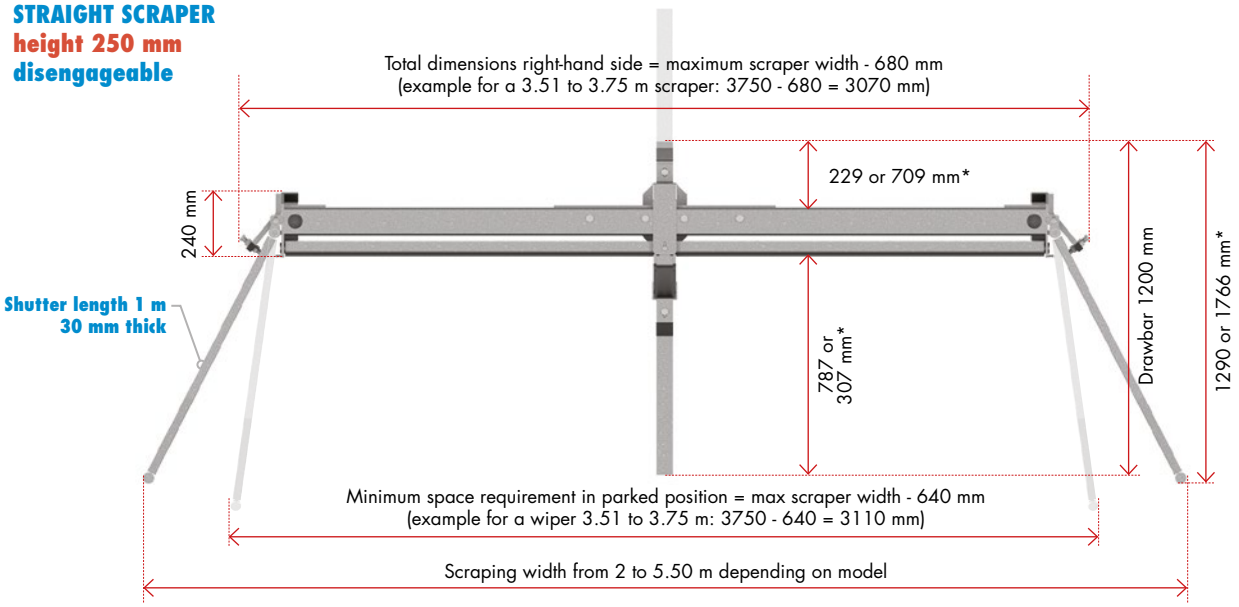
CKI

MARINE CHAIN SCRAPER

disengageable for alleys of different lengths



STRAIGHT SCRAPER
height 250 mm
disengageable

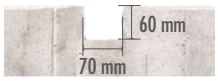


*Depending on the direction in which the drawbar is fitted.

- **Bellastable, hot-dip galvanised**
- Movable central rubber blades that can be raised
- Scraper height: 250 mm
- End rubber blades 1 m long, 30 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option
- Drawbar cross-section can be adapted for different grooves: Contact us

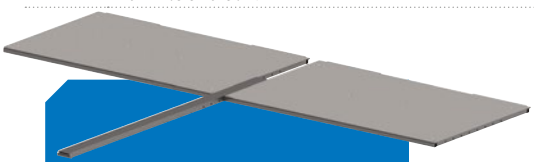
RACLEUR DROIT HT250 DISENGAGEABLE

7x6 cm guide slot



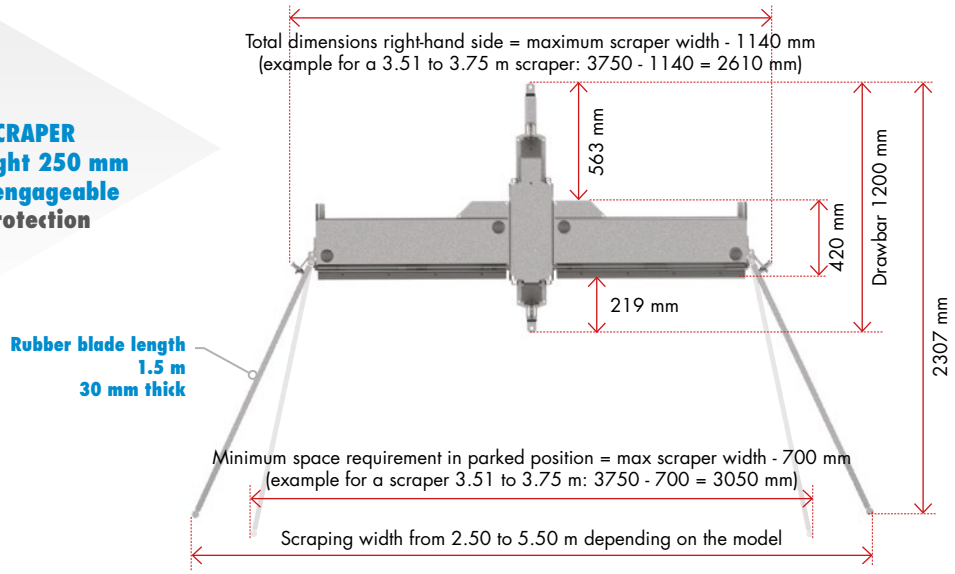
30740	Ballastable and clutch controlled straight shaped chain scraper CM length 2,00 to 2,24m
20740	Ballastable and clutch controlled straight shaped chain scraper CM length 2,50 to 2,74m
30741	Ballastable and clutch controlled straight shaped chain scraper CM length 2.25 to 2.49m
20741	Ballastable and clutch controlled straight shaped chain scraper CM length 2.75 to 2.99m
30742	Ballastable and clutch controlled straight shaped chain scraper CM length 3,00 to 3,24m
20742	Ballastable and clutch controlled straight shaped chain scraper CM length 3,25 to 3,49m
30743	Ballastable and clutch controlled straight shaped chain scraper CM length 3,50 to 3,74m
20743	Ballastable and clutch controlled straight shaped chain scraper CM length 3,75 to 3,99m
30744	Ballastable and clutch controlled straight shaped chain scraper CM length 4,00 to 4,24m
20744	Ballastable and clutch controlled straight shaped chain scraper CM length 4,25 to 4,49m
30745	Ballastable and clutch controlled straight shaped chain scraper CM length 4,50 to 4,74m
20745	Ballastable and clutch controlled straight shaped chain scraper CM length 4,75 to 4,99m
30747	Ballastable and clutch controlled straight shaped chain scraper CM length 5,00 to 5,24m
20747	Ballastable and clutch controlled straight shaped chain scraper CM length 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



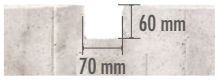
For spills with a cover rubber blade :
Contact us

U SCRAPER
height 250 mm
disengageable
+ protection



HT250 DISENGAGEABLE U-SCRAPER

7x6 cm guide slot



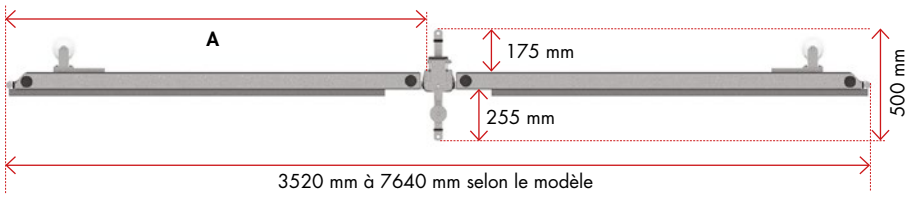
30781	Ballastable and clutch controlled U-shaped chain scraper length 2.75 to 2.99m
30782	Ballastable and clutch controlled U-shaped chain scraper length 3 to 3.24m
30783	Ballastable and clutch controlled U-shaped chain scraper length 3.25 to 3.49m
30784	Ballastable and clutch controlled U-shaped chain scraper length 3.5 to 3.74m
30785	Ballastable and clutch controlled U-shaped chain scraper length 3.75 to 3.99m
30786	Ballastable and clutch controlled U-shaped chain scraper length 4 to 4.24m
30787	Ballastable and clutch controlled U-shaped chain scraper length 4.25 to 4.49m
30788	Ballastable and clutch controlled U-shaped chain scraper length 4.5 to 4.74m
30789	Ballastable and clutch controlled U-shaped chain scraper length 4.75 to 4.99m
30790	Ballastable and clutch controlled U-shaped chain scraper length 5 to 5.24 m
30791	Ballastable and clutch controlled U-shaped chain scraper length 5.25 to 5.49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats





250 mm high, disengageable V SCRAPER

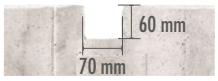


Ref.	20792	20793	20794	20795	20796	20797	20798
Width of alley	2,00 to 2,50 m	2,51 to 3,00 m	3,01 to 3,50 m	3,51 to 4,00 m	4,01 to 4,50 m	4,51 to 5,00 m	5,01 to 5,50 m
A	1710 mm	2110 mm	2460 mm	2760 mm	3110 mm	3460 mm	3760 mm

Extra-heavy V scraper : please Contact us

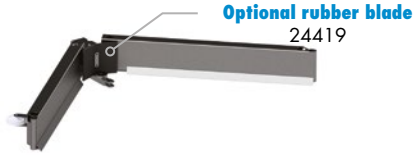
HT250 DISENGAGEABLE V SCRAPER

7x6 cm guide slot

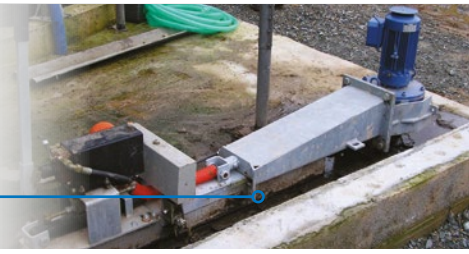


20792	Ballastable and clutch controlled V-shaped chain scraper, length 2,00 m to 2,49 m
20793	Ballastable and clutch controlled V-shaped scraper, length 2,50 m to 2,99 m
20794	Ballastable and clutch controlled V-shaped scraper, length 3,00 m to 3,49 m
20795	Ballastable and clutch controlled V-shaped scraper, length 3,50 m to 3,99 m
20796	Ballastable and clutch controlled V-shaped scraper, length 4,00 m to 4,49 m
20797	Ballastable and clutch controlled V-shaped scraper, length 4,50 m to 4,99 m
20798	Ballastable and clutch controlled V-shaped scraper, length 5,00 m to 5,49 m

20405	Guide rail for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper

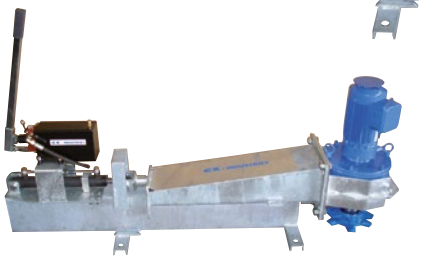


CKI SQUARE CHAIN SCRAPER



Screw tension
(original)





Manual hydraulic tensioning
Option 20130



Automatic hydraulic tensioning
Option 20131

COMPLETE DRIVE MECHANISM

20538	Complete 3CV drive mechanism (200 m of chain max)
20520	Complete 4CV drive mechanism (260 m of chain max)

20130	Option : Hydraulic tension manual
20131	Option : Hydraulic tension automatic



Standard version
30526

MILLENIUM control box

- Scraper programming
- Frost protection system as standard
- Manifold control
- Back-up battery (Mains failure management)
- Emergency stop
- Multi-tasking



Touch screen version
30527

CONTROL BOX

30526	Millenium control box, including limit switch
30527	Millenium control box, touch screen, incl. limit switch

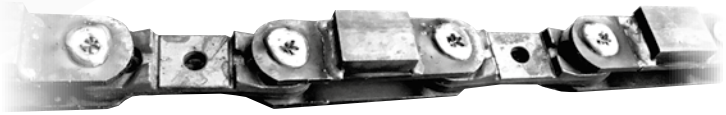
ELE0087	Shielded electric cable between control unit and remote control unit



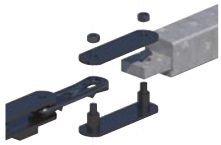
Réf. 20535

OPTIONS

60578	On/off control box
20535	Remote scraper chain/cable control box option only with ref 30526
SPE1599	Upgradeable chain/cable scraper control box + GCS

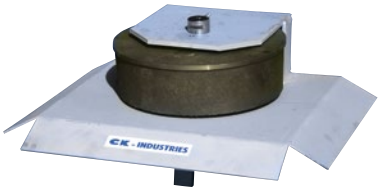


Breaking strength: 26 tonnes
Weight : 6 kg/ml

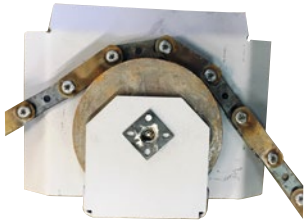


SQUARE CHAIN MI 115

20544	MI 115 square chain, bare, with connecting links and welded-on lugs, per m



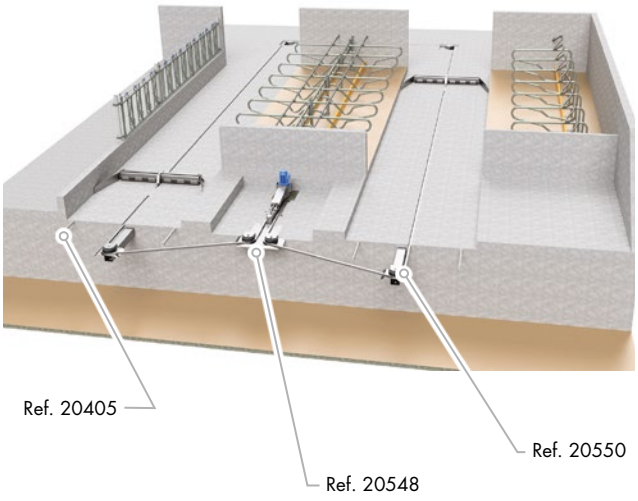
Ref. 20546

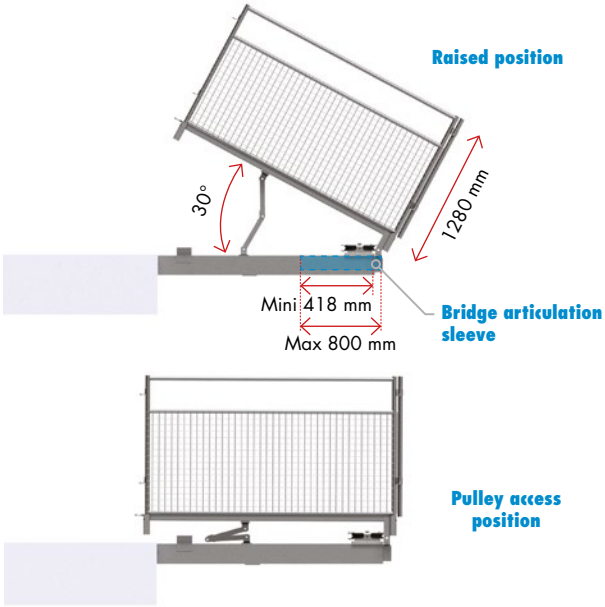


Ø320 corner pulleys with axle
+ steel ring and grease nipple

SQUARE CHAIN PULLEY

20546	Pulley Ø320 complete
20536	Pulley cover Ø 320, square chain
20548	Ø 320 twin pulley support / pit





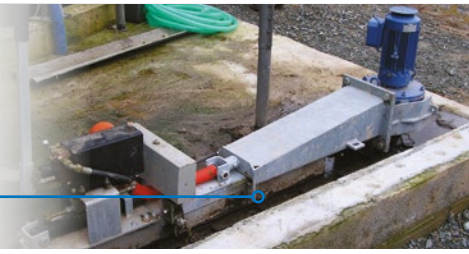
DISCHARGE FOR 1 ALLEY

20405	Guide rail for manure pit (use 2 per alley)
20550	Support + pulley Ø 320 / pit
20555	Gateway for workers for pulley on collection pit (chain scraper)
20534	Extension leaf for greasing of pulley on manure pit

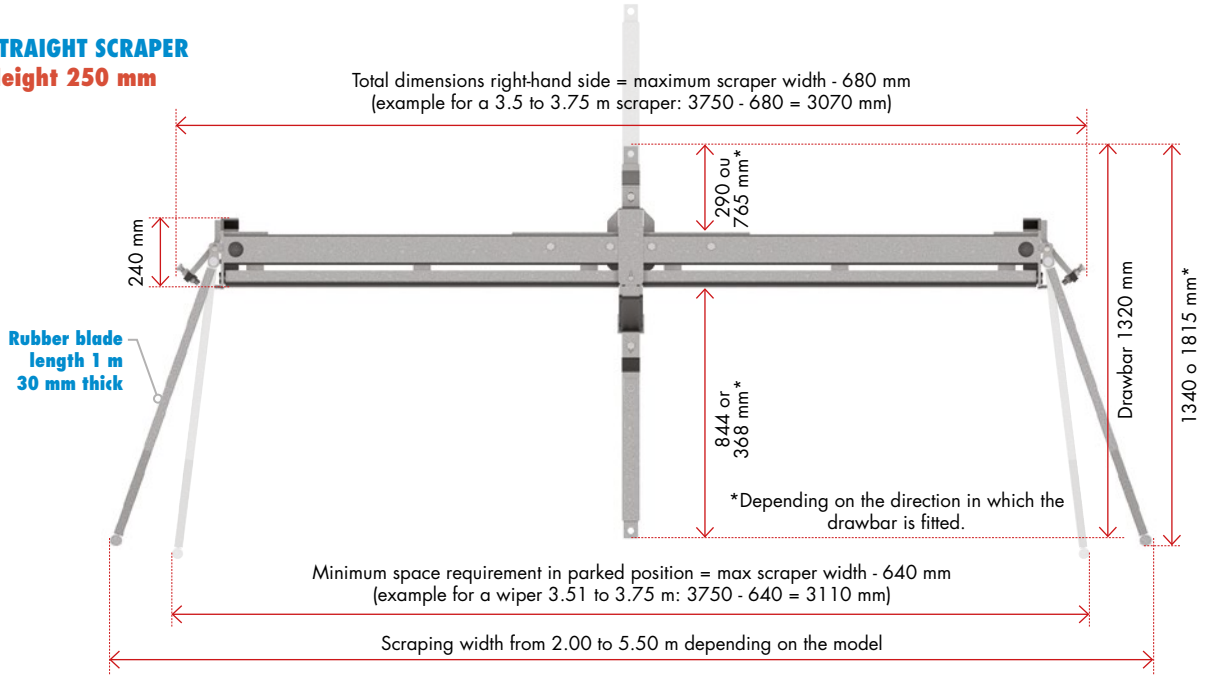
CKI

SQUARE CHAIN SCRAPER

for alleys of identical length



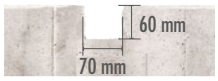
STRAIGHT SCRAPER
Height 250 mm



- **Bellastable, hot-dip galvanised**
- Movable central rubber blades that can be raised
- Scraper height: 250 mm
- End rubber blades 1 m long, 30 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option
- Drawbar cross-section can be adapted for different grooves: Contact us

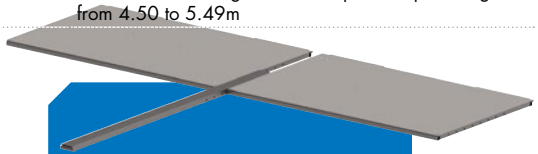
HT250 STRAIGHT SCRAPER (60X60 DRAWBAR)

7x6 cm guide slot



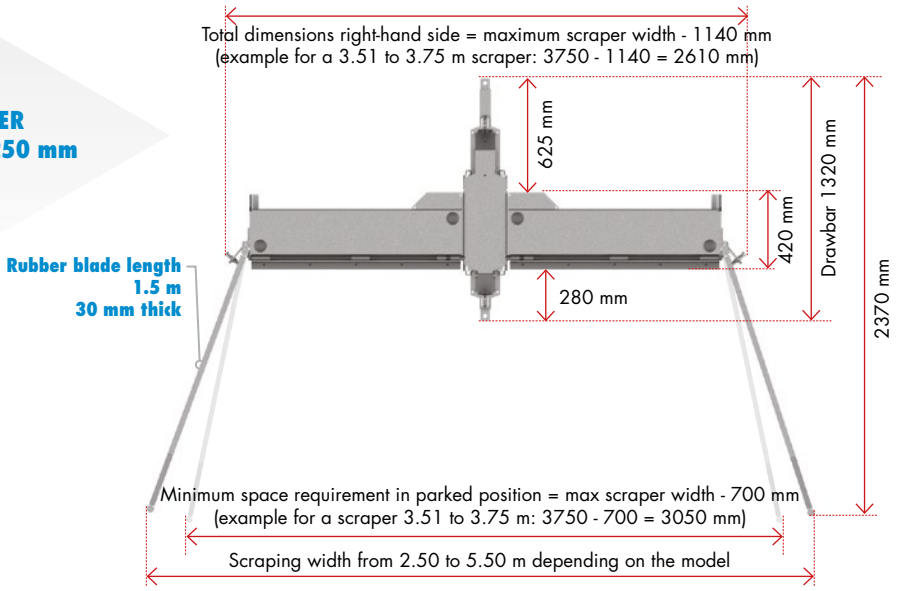
30720CC	Square chain straight scraper - length from 2,00 to 2,24m
20720CC	Square chain straight scraper - length from 2,25 to 2,49m
30721CC	Square chain straight scraper - length from 2,50 to 2,74m
20721CC	Square chain straight scraper - length from 2,75 to 2,99m
30722CC	Square chain straight scraper - length from 3,00 to 3,24m
20722CC	Square chain straight scraper - length from 3,25 to 3,49m
30723CC	Square chain straight scraper - length from 3,50 to 3,74m
20723CC	Square chain straight scraper - length from 3,75 to 3,99m
30724CC	Square chain straight scraper - length from 4,00 to 4,24m
20724CC	Square chain straight scraper - length from 4,25 to 4,49m
30725CC	Square chain straight scraper - length from 4,50 to 4,74m
20725CC	Square chain straight scraper - length from 4,75 to 4,99m
30719CC	Square chain straight scraper - length from 5,00 to 5,24m
20719CC	Square chain straight scraper - length from 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



For spills with a cover rubbe
blade :
Contact us

U SCRAPER height 250 mm



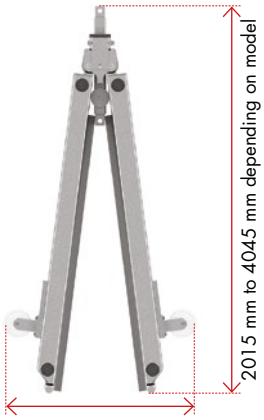
HT250 U SCRAPER (60X60 DRAWBAR)

7x6 cm guide slot

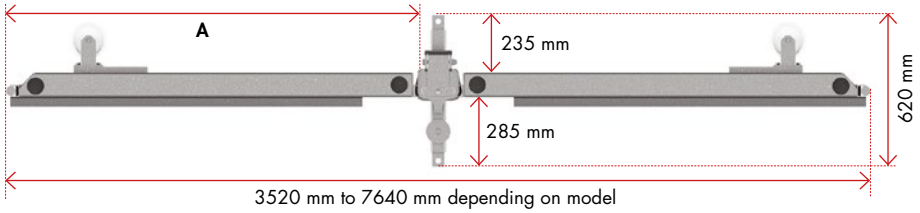


30761CC	Square chain U-shaped scraper - length from 2,75 to 2,99m
30762CC	Square chain U-shaped scraper - length from 3,00 to 3,24m
30763CC	Square chain U-shaped scraper - length from 3,25 to 3,49m
30764CC	Square chain U-shaped scraper - length from 3,50 to 3,74m
30765CC	Square chain U-shaped scraper - length from 3,75 to 3,99m
30766CC	Square chain U-shaped scraper - length from 4,00 to 4,24m
30767CC	Square chain U-shaped scraper - length from 4,25 to 4,49m
30768CC	Square chain U-shaped scraper - length from 4,50 to 4,74m
30769CC	Square chain U-shaped scraper - length from 4,75 to 4,99m
30770CC	Square chain U-shaped scraper - length from 5,00 to 5,24m
30771CC	Square chain U-shaped scraper - length from 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats



V SCRAPER height 250 mm



Ref.	20732CC	20733CC	20734CC	20735CC	20736CC	20737CC	20739CC
Width of alley	2,00 to 2,50 m	2,51 to 3,00 m	3,01 to 3,50 m	3,51 to 4,00 m	4,01 to 4,50 m	4,51 to 4,50 m	5,01 to 5,50 m
A	1710 mm	2110 mm	2460 mm	2760 mm	3110 mm	3460 mm	3760 mm

HT250 V SCRAPER (DRAWBAR 50X50)

7x6 cm guide slot



20732CC	Square chain V-shaped scraper - length from 2,00 to 2,49m
20733CC	Square chain V-shaped scraper - length from 2,50 to 2,99m
20734CC	Square chain V-shaped scraper - length from 3,00 to 3,49m
20735CC	Square chain V-shaped scraper - length from 3,50 to 3,99m
20736CC	Square chain V-shaped scraper - length from 4,00 to 4,49m
20737CC	Square chain V-shaped scraper - length from 4,50 to 4,99m
20739CC	Square chain V-shaped scraper - length from 5,00 to 5,49m

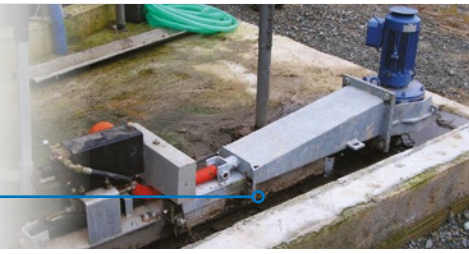
20405	Guide rail for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper

V shape scraper extra heavy : consult us

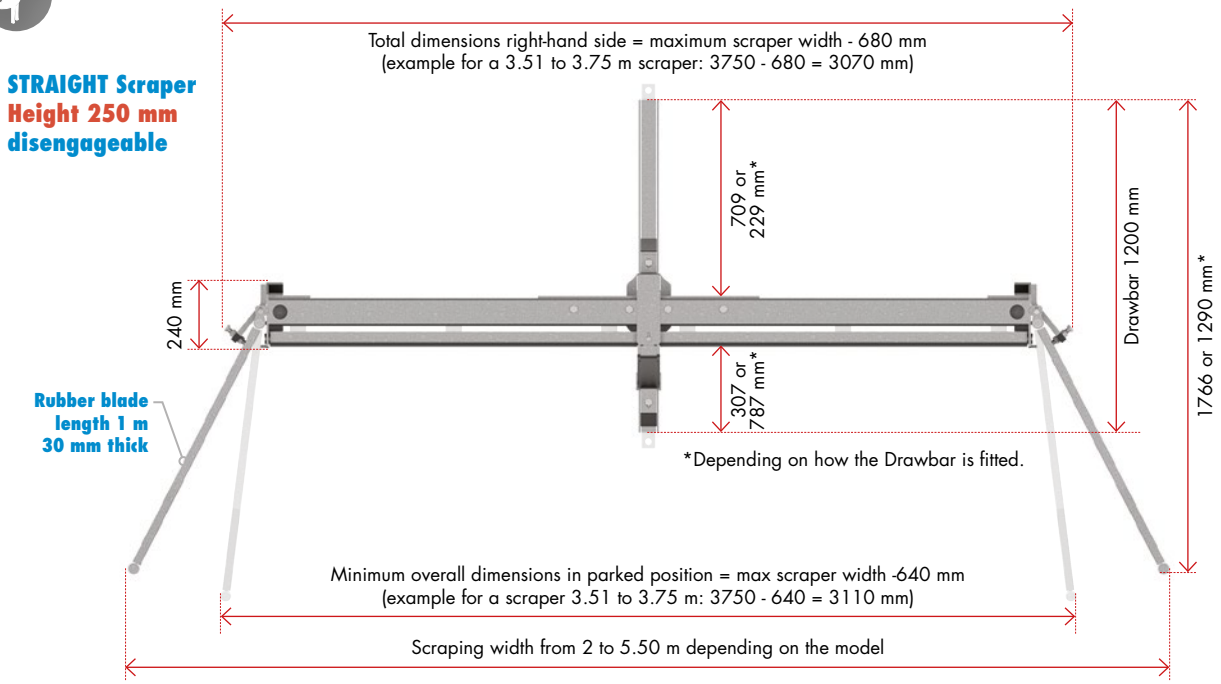
CKI

SQUARE CHAIN SCRAPER

Disengageable for alleys of different lengths



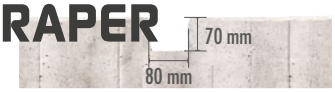




- **Bellastable, hot-dip galvanised**
- Movable central rubber blades that can be raised
- Scraper height: 250 mm
- End rubber blades 1 m long, 30 mm thick
- Quick opening
- Reduced parking position (footprint = 2 m)
- Offset scraper/alley option
- Drawbar cross-section can be adapted for different grooves: Contact us

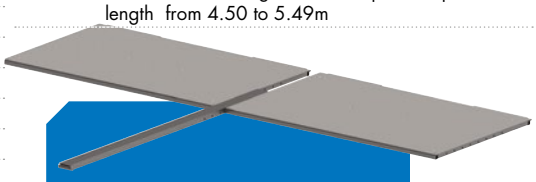
HT250 DISENGAGEABLE STRAIGHT SCRAPER

8x7 cm guide slot



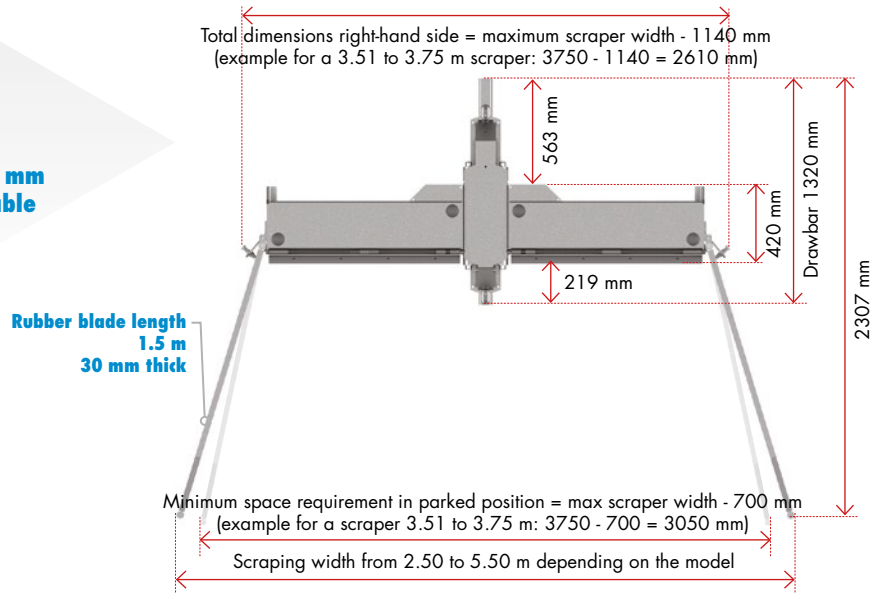
30740CC	Ballastable and clutch controlled straight square chain scraper length 2,00 to 2,24m
20740CC	Ballastable and clutch controlled straight square chain scraper length 2,25 to 2,49m
30741CC	Ballastable and clutch controlled straight square chain scraper length 2,50 to 2,74m
20741CC	Ballastable and clutch controlled straight square chain scraper length 2,75 to 2,99m
30742CC	Ballastable and clutch controlled straight square chain scraper length 3,00 to 3,24m
20742CC	Ballastable and clutch controlled straight square chain scraper length 3,25 to 3,49m
30743CC	Ballastable and clutch controlled straight square chain scraper length 3,50 to 3,74m
20743CC	Ballastable and clutch controlled straight square chain scraper length 3,75 to 3,99m
30744CC	Ballastable and clutch controlled straight square chain scraper length 4,00 to 4,24m
20744CC	Ballastable and clutch controlled straight square chain scraper length 4,25 to 4,49m
30745CC	Ballastable and clutch controlled straight square chain scraper length 4,50 to 4,74m
20745CC	Ballastable and clutch controlled straight square chain scraper length 4,75 to 4,99m
30747CC	Ballastable and clutch controlled straight square chain scraper length 5,00 to 5,24m
20747CC	Ballastable and clutch controlled straight square chain scraper length 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats
20832	Rubber blade/straight and U-shaped scraper - length from 2 to 2.74m
20834	Rubber blade/straight and U-shaped scraper - length from 2.75 to 3.49m
20836	Rubber blade/straight and U-shaped scraper - length from 3.50 to 4.49m
20838	Rubber blade/straight and U-shaped scraper - length from 4.50 to 5.49m



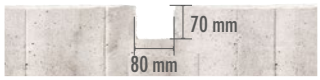
For spills with a cover rubber blade :
Contact us

U SCRAPER
height 250 mm
disengageable



HT250 DISENGAGEABLE U SCRAPER

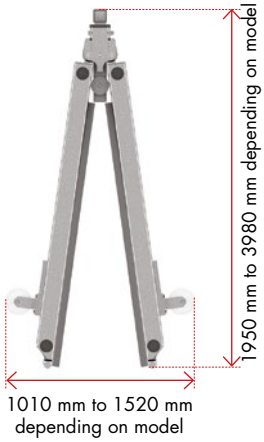
8x7 cm guide slot

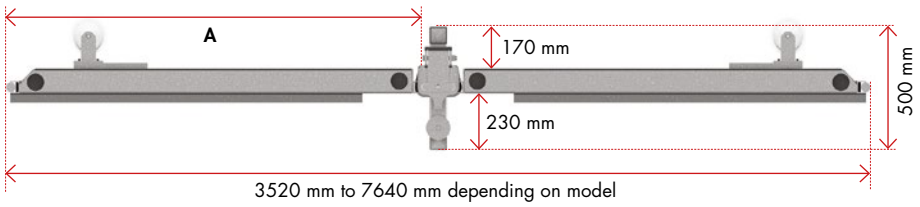


30781CC	Straight square chain U-shaped scraper length 2,75 to 2,99m
30782CC	Straight square chain U-shaped scraper length 3,00 to 3,24m
30783CC	Straight square chain U-shaped scraper length 3,25 to 3,49m
30784CC	Straight square chain U-shaped scraper length 3,50 to 3,74m
30785CC	Straight square chain U-shaped scraper length 3,75 to 3,99m
30786CC	Straight square chain U-shaped scraper length 4,00 to 4,24m
30787CC	Straight square chain U-shaped scraper length 4,25 to 4,49m
30788CC	Straight square chain U-shaped scraper length 4,50 to 4,74m
30789CC	Straight square chain U-shaped scraper length 4,75 to 4,99m
30790CC	Straight square chain U-shaped scraper length 5,00 to 5,24m
30791CC	Straight square chain U-shaped scraper length 5,25 to 5,49m

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats

250 mm high, disengageable V SCRAPER

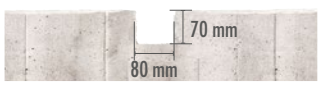




Ref.	20792CC	20793CC	20794CC	20795CC	20796CC	20797CC	20798CC
Width of alley	2,00 to 2,50 m	2,51 to 3,00 m	3,01 to 3,50 m	3,51 to 4,00 m	4,01 to 4,50 m	4,51 to 5,00 m	5,01 to 5,50 m
A	1710 mm	2110 mm	2460 mm	2760 mm	3110 mm	3460 mm	3760 mm

HT250 DISENGAGEABLE V SCRAPER

8x7 cm guide slot



20792CC	Straight square chain V-shaped scraper length 2,00 to 2,49m
20793CC	Straight square chain V-shaped scraper length 2,50 to 2,99m
20794CC	Straight square chain V-shaped scraper length 3,00 to 3,49m
20795CC	Straight square chain V-shaped scraper length 3,50 to 3,99m
20796CC	Straight square chain V-shaped scraper length 4,00 to 4,49m
20797CC	Straight square chain V-shaped scraper length 4,50 to 4,99m
20798CC	Straight square chain V-shaped scraper length 5,00 to 5,49m

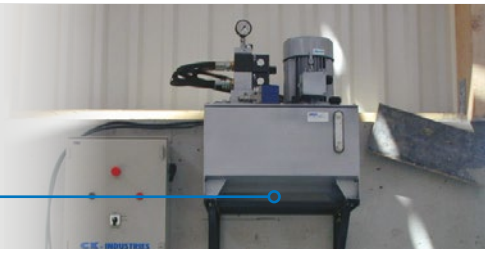
20405	Guide rail for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper

Extra-heavy V scraper : please Contact us

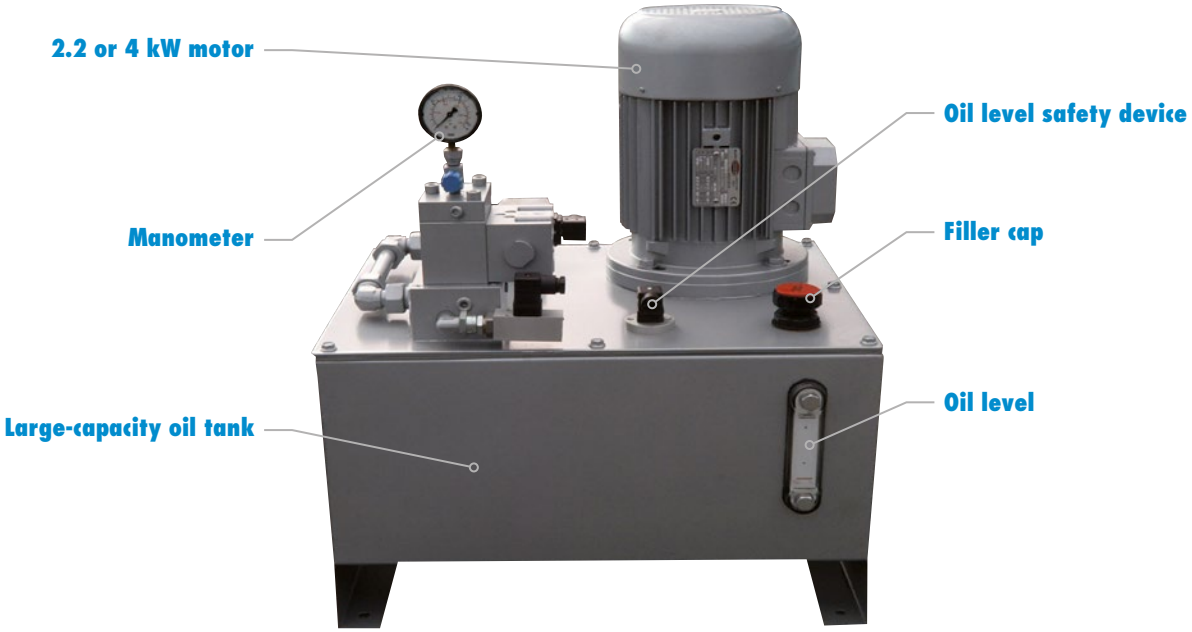
CKI

HYDRAULIC SCRAPER

The most powerful system







HYDRAULIC OIL UNIT

59010	Motor 2.2 kW for 60 mm hydraulic cylinder - maximum alley 60m length (add 3 oil cans)
59020	Motor 4 kW for 90 mm hydraulic cylinder - maximum alley 100m length (add 3 oil cans)
59030	Protection cover
59022	Motor 4 kW for 90 mm hydraulic cylinder - for alleys > 100 m long (5 cans of oil required)
59035	Central protection cover 4 kW > 100 m
59040	Wall support for hydraulic unit

Ref. 59022 and 59035 made to order, needs extra manufacturing delay

OIL ISO STANDARDS APPROVED CKI



59055	20 liters can (minimum of 4 per unit)

Hydraulic scrapers are the most powerful. They are ideal for strawy manures in long alleys.

Pusher system available: please contact us

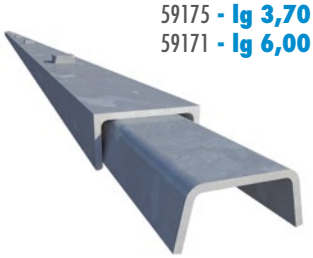
Guide rail
59131 - **lg 6 m**



Drive rail with holes
59155 - **lg 3,70 m**
59151 - **lg 6,00 m**



Notched drive rail
59175 - **lg 3,70 m**
59171 - **lg 6,00 m**



RAILS AND FITTINGS

6m galvanised guide rail

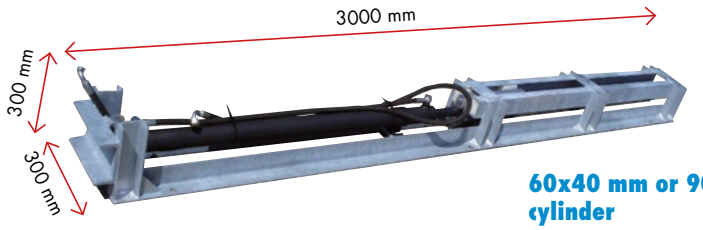
59131	U-shaped rail 140 x 60 x 4, lengt 6m

Drive rail with holes

59155	Drive rail100 x 50 mm with holes for flush-mounted unit - Lg 3.70 m
59151	Drive rail100 x 50 mm with holes for flush-mounted unit - Lg 6.00 m

Notched drive rail

59175	Drive rail100 x 50 mm with notches for flush-mounted unit - Lg 3,70 m
59171	Drive rail100 x 50 mm with notches for flush-mounted unit - Lg 6,00 m

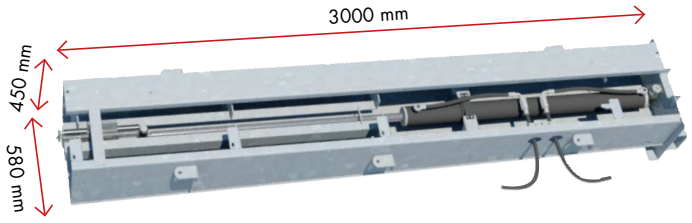


Surface drive unit supplied with protective cover.

60x40 mm or 90x40 mm cylinder

SURFACE DRIVE UNIT

59060	Hydraulic cylinder 60 x 40 for 100 rail
59070	Hydraulic cylinder 90 x 40 for 100 rail
59085	Protective cover for surface mounted unit



60x40 mm or 90x40 mm cylinder

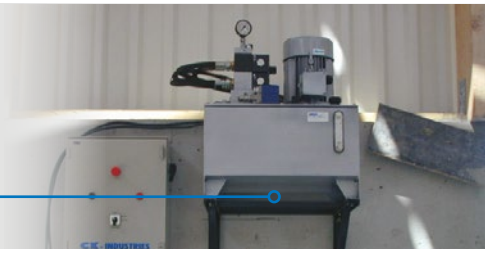
RECESSED DRIVE UNIT

59096	Hydraulic cylinder 60 x 40 for 100 rail
59106	Hydraulic cylinder 90 x 40 for 100 rail

CKI

HYDRAULIC SCRAPER

Manual electric controls





Start/Stop box
59350



Master control unit integrating :
- transformer
- limit switch management
- alley selection (59385)

ELECTRICAL CONTROL UNIT WITHOUT PLC

59350	1 start/unit (1 per electrical cabinet, including wiring)
59351	Wireless remote control
59360	1 Electric master control unit for 1 alley
59385	1 Electric master control unit for 2 alleys with selection 1 alley

END SWITCHES

59397	Inductive limit switch
59396	End stop support
ELE0028	Protection box for end stop burried in concrete

CKI

HYDRAULIC SCRAPER

Automated electric controls





PLC master control unit integrating :
- transformer
- limit switch management
- frost protection function (probe included)
- collector control.



Frost protection sensor
included



Start/Stop box
59350

Cut your scraping time in half with the Tandem

ELECTRICAL CONTROL UNIT WITH PLC

59350	1 start/unit (1 per electrical cabinet, including wiring)
59420	1 Electric master control unit with PLC for 1 alley + frost proofing
59425	1 Electric master control unit with PLC for 1 alley + frost proofing + alternative evacuation and chain collector management
59431	1 Electric master control unit with PLC for 2 TANDEM alleys + frost proofing
59430	1 Electric master control unit with PLC for 2 alleys + frost proofing
59435	1 Electric master control unit with PLC for 2 alleys + frost proofing + alternative evacuation and chain collector management

END SWITCHES

59395	End stop motion sensor
59396	End stop support
ELE0028	Protection box for end stop encased in concrete

FLEXIBLE HOSES

59400	Dual hose 3m + connectors + 3 fixing collars
59410	Dual hose 4m + connectors + 4 fixing collars
59411	Dual hose 5m + connectors + 5 fixing collars

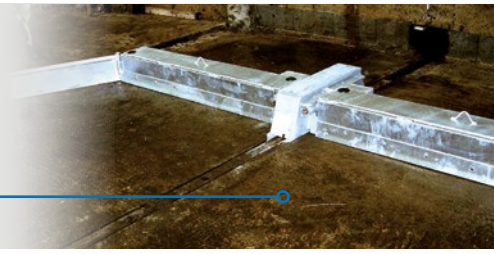
OPTION

59605	Mobile sensor switchover / heavy switchover

CKI

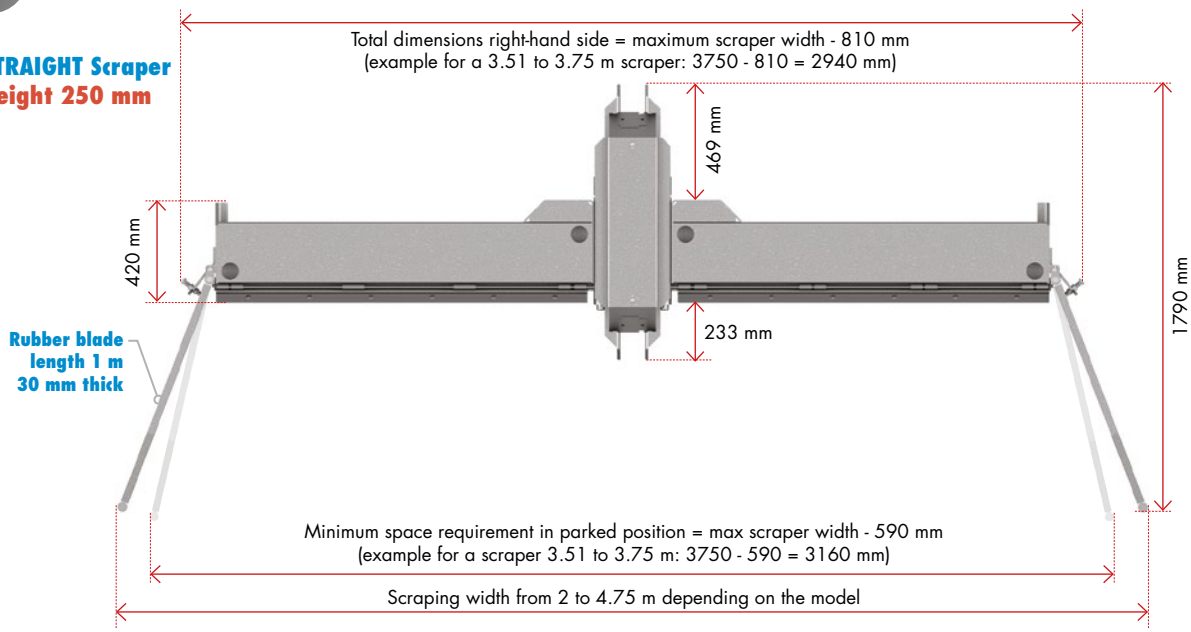
HYDRAULIC SCRAPER

Straight, U-shaped or V-shaped scrapers





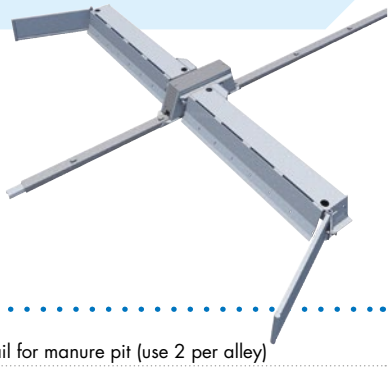
STRAIGHT Scraper height 250 mm





Traction system by heavy tipper

- **Lestable**, galvanisé à chaud par trempage
- Movable central rubber blades that can be raised
- Scraper height: 250 mm
- End rubber blades 1 m long, 30 mm thick
- Quick opening
- Reduced parking position (space requirement = 2 m) (possibility of offset scraper/alley)



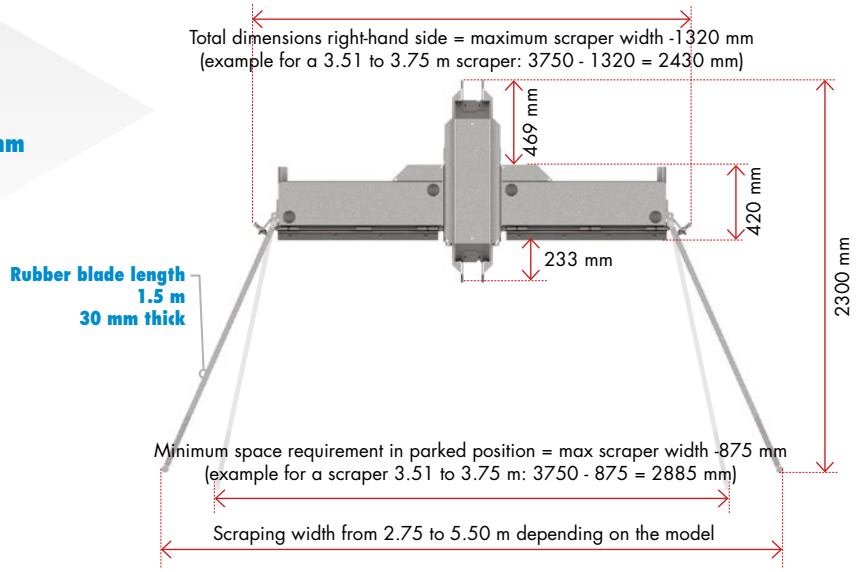
HT250 STRAIGHT SCRAPER

59253	Ballastable galvanized straight hydraulic scraper - 2 to 2,24 m. U100
59255	Ballastable galvanized straight hydraulic scraper - 2,25 to 2,49 m. U100
59263	Ballastable galvanized straight hydraulic scraper - 2,50 to 2,74 m. U100
59265	Ballastable galvanized straight hydraulic scraper - 2,75 to 2,99 m. U100
59273	Ballastable galvanized straight hydraulic scraper - 3 to 3,24 m. U100
59275	Ballastable galvanized straight hydraulic scraper - 3,25 to 3,49 m. U100
59283	Ballastable galvanized straight hydraulic scraper - 3,50 to 3,74 m. U100
59285	Ballastable galvanized straight hydraulic scraper - 3,75 to 3,99 m. U100
59293	Ballastable galvanized straight hydraulic scraper - 4 to 4,24 m. U100
59295	Ballastable galvanized straight hydraulic scraper - 4,25 to 4,49 m. U100
59303	Ballastable galvanized straight hydraulic scraper - 4,50 to 4,74 m. U100

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats

Rubber blade protection, please contact us

U SCRAPER height 250 mm



HT250 U SCRAPER

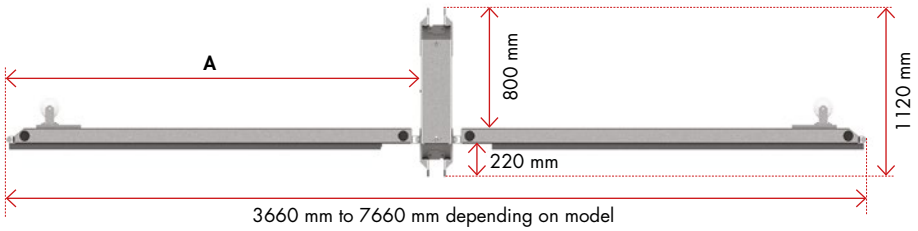
59259	Ballastable galvanized U-shaped hydraulic scraper - 2,75 to 2,99 m. U100
59268	Ballastable galvanized U-shaped hydraulic scraper - 3 to 3,24 m. U100
59269	Ballastable galvanized U-shaped hydraulic scraper - 3,25 to 3,49 m. U100
59278	Ballastable galvanized U-shaped hydraulic scraper - 3,50 to 3,74 m. U100
59279	Ballastable galvanized U-shaped hydraulic scraper - 3,75 to 3,99 m. U100
59288	Ballastable galvanized U-shaped hydraulic scraper - 4 to 4,24 m. U100
59289	Ballastable galvanized U-shaped hydraulic scraper - 4,25 to 4,49 m. U100
59298	Ballastable galvanized U-shaped hydraulic scraper - 4,50 to 4,74 m. U100
59299	Ballastable galvanized U-shaped hydraulic scraper - 4,75 to 4,99 m. U100
59308	Ballastable galvanized U-shaped hydraulic scraper - 5 to 5,24 m. U100
59309	Ballastable galvanized U-shaped hydraulic scraper - 5,25 to 5,49 m. U100

20405	Guide rail for manure pit (use 2 per alley)
20705	Modification for straight and U-shaped scraper on mats





V SCRAPER height 250 mm



Ref.	59456	59466	59476	59486	59496	59506	59516
Width of alley	2,00 to 2,50 m	2,51 to 3,00 m	3,01 to 3,50 m	3,51 to 4,00 m	4,01 to 4,50 m	4,51 to 5,00 m	5,01 to 5,50 m
A	1710 mm	2110 mm	2460 mm	2760 mm	3110 mm	3460 mm	3760 mm

HT250 V SCRAPER

59456	Ballastable galvanized V hydraulic scraper - 2,00 to 2,49 m. U100
59466	Ballastable galvanized V hydraulic scraper - 2,50 to 2,99 m. U100
59476	Ballastable galvanized V hydraulic scraper - 3,00 to 3,49 m. U100
59486	Ballastable galvanized V hydraulic scraper - 3,50 to 3,99 m. U100
59496	Ballastable galvanized V hydraulic scraper - 4,00 to 4,49 m. U100
59506	Ballastable galvanized V hydraulic scraper - 4,50 to 4,99 m. U100
59516	Ballastable galvanized V hydraulic scraper - 5,00 to 5,49 m. U100

20405	Rail Guide for manure pit (use 2 per alley)
24419	Central rubber blade for VE scraper

Extra-heavy V scraper : please contact us

CKI

EVACUATOR FOR COLLECTION CHANNEL

For scrapers





Please do not mix up these references with those on pages 36 and 37.

COMPLETE RAMP START FORMWORK

20801	Formwork at the start of the 25° ramp

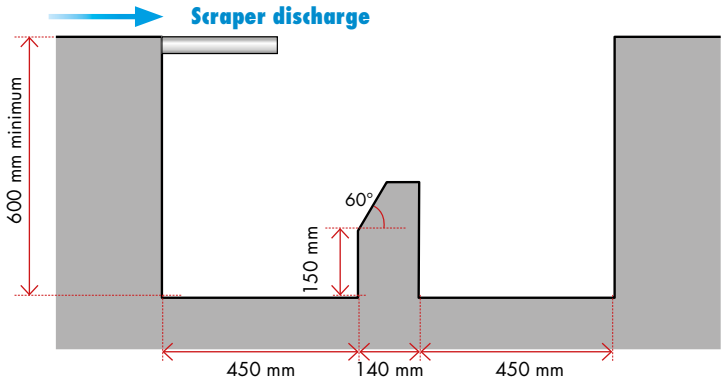
PARTS TO BE SEALED

20104	Pulley Ø 180 (for 1 alley)
20807	Start ramp part 25 degrees inclination
20109	Slurry grid 66 x 33
20110	Slurry grid 33 x 33

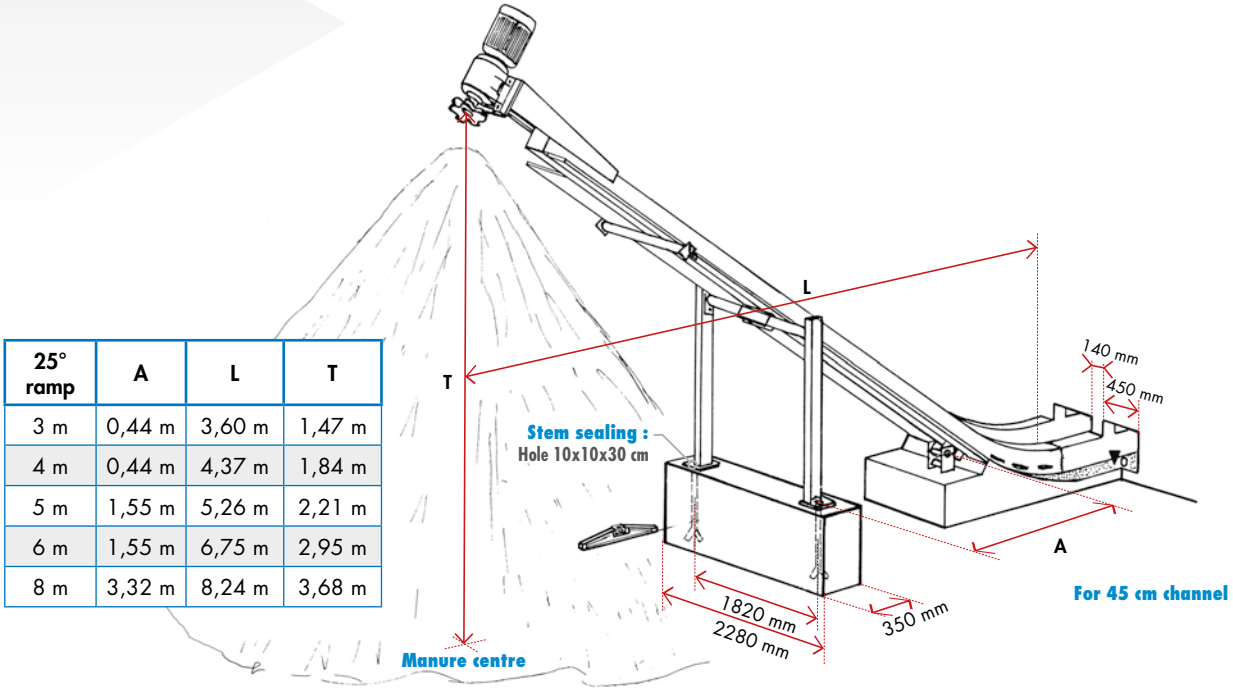
DRIVE MECHANISM

20128	Control unit 5 HP for collector + thermal circuit breaker
20113	5 HP drive Mechanism (maximum 120 m length)
20828	Control unit 5 HP for cable or chain scraper with collector management
20130	Option : Hydraulic tensioning

GUTTER CROSS-SECTION



25° ramp	A	L	T
3 m	0,44 m	3,60 m	1,47 m
4 m	0,44 m	4,37 m	1,84 m
5 m	1,55 m	5,26 m	2,21 m
6 m	1,55 m	6,75 m	2,95 m
8 m	3,32 m	8,24 m	3,68 m

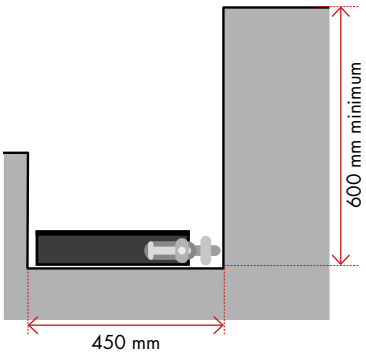


COMPLETE RAMP CHANNEL 45

20114	Complete ramp length: 1 m horizontal
20115	Complete ramp length: 3 m on legs
20116	Complete ramp length : 4 m on legs
20118	Complete ramp length : 6 m on legs
20120	Complete ramp length : 8 m on legs



GUTTER CROSS-SECTION



14 X 50 CHAIN

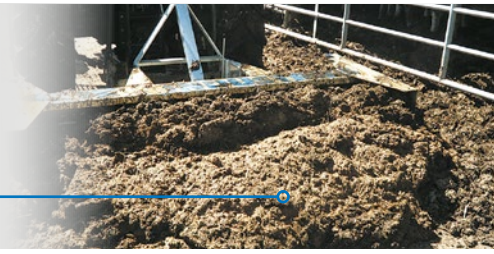
Progressive spillage compulsory

26001	Chain 15 x 50 with paddle 6cm high for 45 cm wide channel (per meter)
26007	Chain 15 x 50 with paddle 6cm high for 50 cm wide channel (per meter)

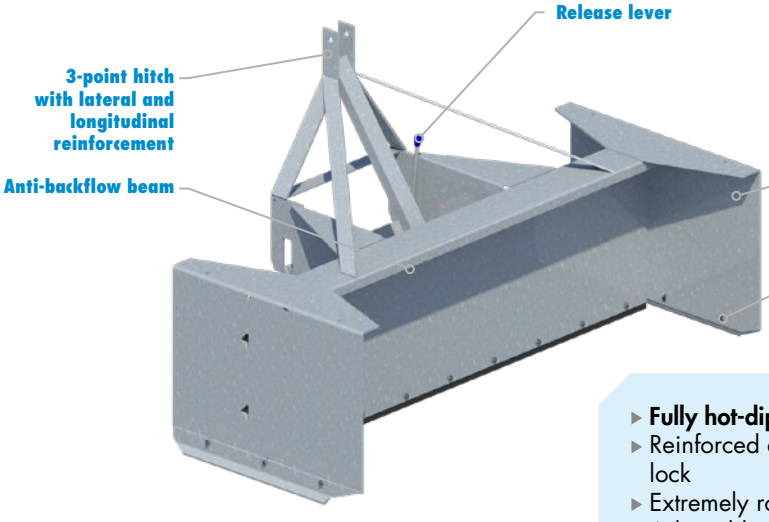
Chain with high scrapers (12 cm), please Contact us.

CKI SCRAPERS

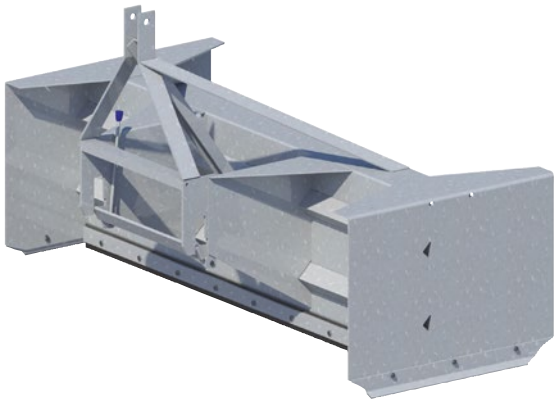
For tractor scraping

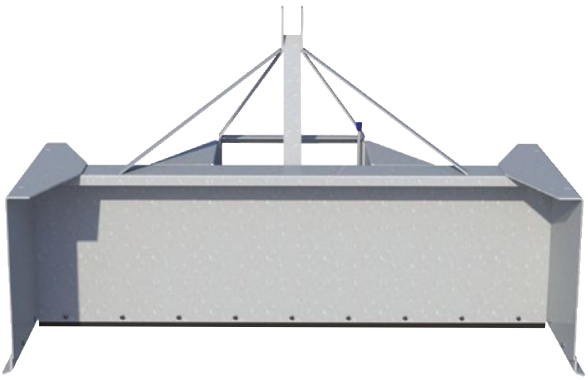






- **Fully hot-dip galvanised**
- Reinforced automatic 3-point hitch with safety lock
- Extremely robust design
- Adjustable glides
- Central anti-backflow beam









GALVANISED SCRAPERS

59650	Scraper 2.0 m	240 kg
59660	Scraper 2.25 m	250 kg

OPTIONS - ACCESSORIES

59650D	Galvanised wear pad	10 kg
59650E	Scraper blade, hard rubber, 2.0 m long	6,1 kg
59660E	Scraper blade, hard rubber, 2.25 m long	6,6 kg
59670E	Scraper blade, hard rubber, 2.5 m long	7,7 kg

CKI

STABLE EVACUATOR

CKI marine chain





> **Please do not mix up these references with those on pages 32 and 33.**



Ref. 20101



Ref. 20102

COMPLETE RAMP START FORMWORK

20101	Formwork start ramp 25 degrees inclination
20102	Formwork internal guide



Ref. 20104

PARTS TO BE SEALED

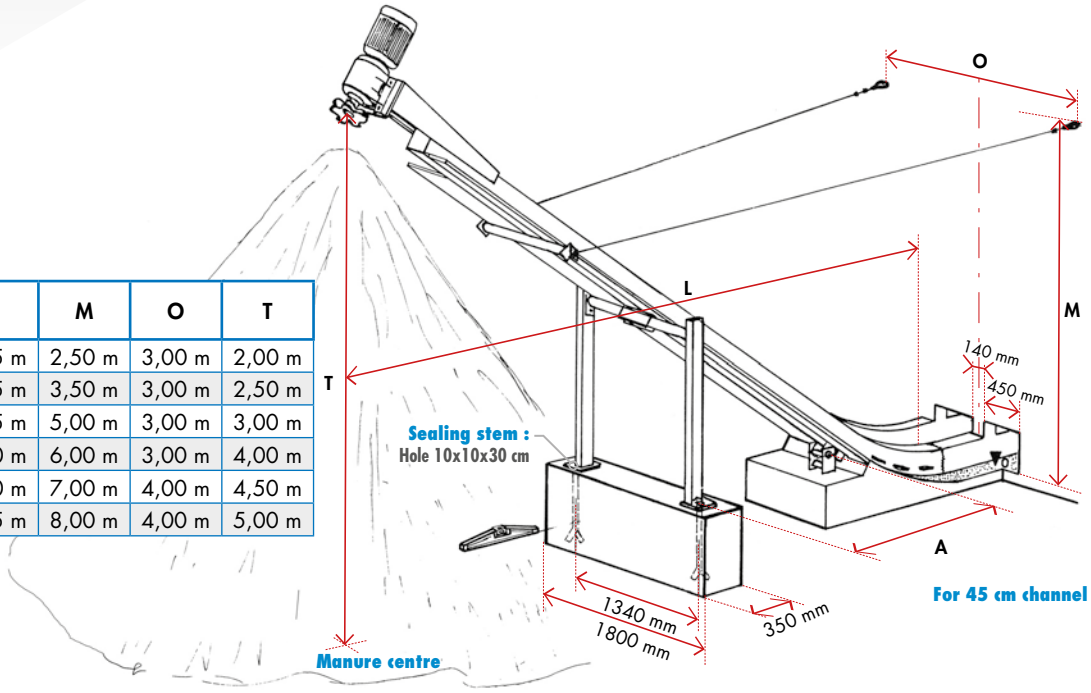
20103	Complete Ø350 pulley (for 1 alley)
20104	Pulley Ø 180 (for 1 alley)
20105	Friction slide
20106	90° internal angle
20107	Full 35° ramp starter
20108	Level change guide
20109	Grid 66 x 33 cm
20110	Grid 33 x 33 cm

DRIVE MECHANISM

20128	Control unit 5 HP for collector + thermal
20113	5 HP drive Mechanism (maximum 120 m length)
20130	Option : Hydraulic tensionning



35° ramp	A	L	M	O	T
3 m	0,40 m	3,25 m	2,50 m	3,00 m	2,00 m
4 m	0,40 m	3,95 m	3,50 m	3,00 m	2,50 m
5 m	1,40 m	4,75 m	5,00 m	3,00 m	3,00 m
6 m	1,40 m	6,10 m	6,00 m	3,00 m	4,00 m
7 m	2,20 m	6,80 m	7,00 m	4,00 m	4,50 m
8 m	3,00 m	7,45 m	8,00 m	4,00 m	5,00 m



COMPLETE RAMP ELEVATION

GALVANISED, FOR CHANEL 45 CM

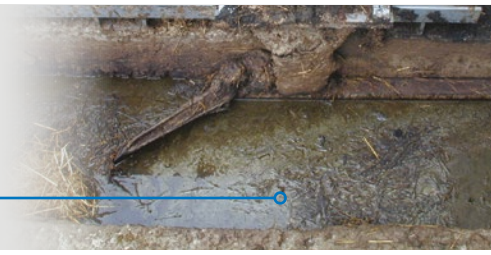
20114	Horizontal ramp 1 meter length (with feet fixation on the ground)
20115	Ramp 3 meter length (with feet fixation on the ground)
20116	Ramp 4 meter length (with feet fixation on the ground)
20117	Ramp 5 meter length (with feet fixation on the ground)
20118	Ramp 6 meter length (with feet fixation on the ground)
20119	Ramp 7 meter length (with feet fixation on the ground)
20120	Ramp 8 meter length (with feet fixation on the ground)
20121	Ramp 10 meter length (with feet fixation on the ground)
20122	Ramp 3 meter length (with cable fixation above)
20123	Ramp 4 meter length (with cable fixation above)
20124	Ramp 5 meter length (with cable fixation above)
20125	Ramp 6 meter length (with cable fixation above)
20126	Ramp 7 meter length (with cable fixation above)
20127	Ramp 8 meter length (with cable fixation above)



14 X 50 CHAIN

26001	Chain 15 x 50 with paddle 6cm high for 50 cm wide channel (per meter)
26006	14 x 50 chain with connecting links

CKI BACK AND FORTH



3 HP SYSTEM FOR 40 M MAX

21305	3 HP drive mechanism for left rail
21306	3 HP drive mechanism for right rail

ELECTRICAL CONTROL UNIT

20111	Control unit





Install the rails preferably on the side opposite the animals' feet



Maximum length: 40 m

RAIL FITTED WITH PADDLES WITH CAST-IN GUIDES

21301	Right rail with paddle (maximum 40 meter length alley) per meter
21302	Left rail with paddle (maximum 40 meter length alley) per meter

Rails sold by 3 m segment. 50 x 38 track supplied in 6 m lengths.

Other channel widths : contact us

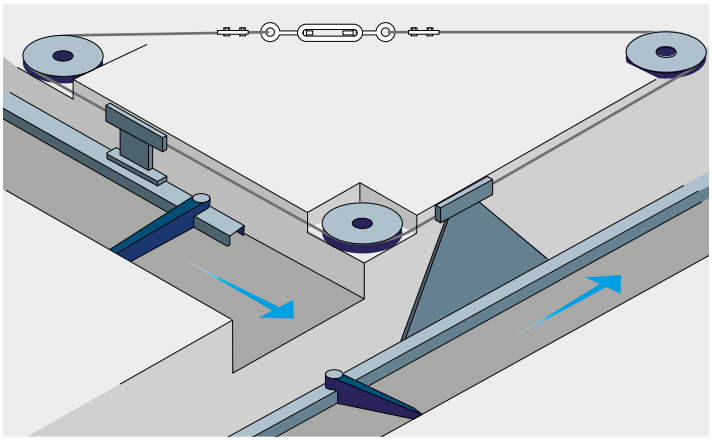


RAMP WITH PAINTED SHEET METAL BOTTOM

21307	Height of manure drop 3,50m - channel width 50
21308	Height of manure drop 4,50m - channel width 50
21309	Height of manure drop 6m - channel width 50

SLURRY GRATE

20109	Slurry grid 66 x 33
20110	Slurry grid 33 x 33



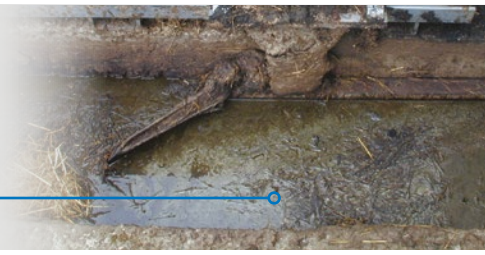
CABLE-OPERATED DIRECTION CHANGE

21311	Pulley system for direction change (max. 18 m)

CKI

HYDRAULIC EVACUATOR

Back and forth, without ramp





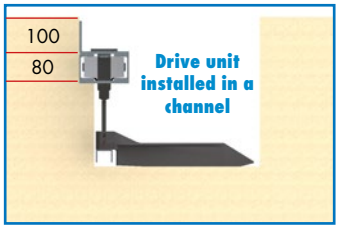


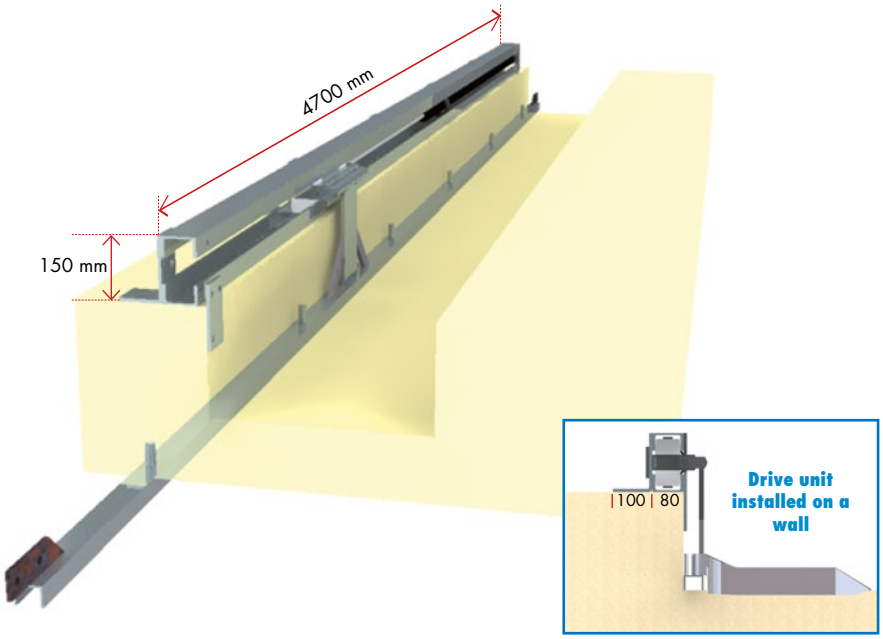


Réf. 59055

HYDRAULIC OIL UNIT

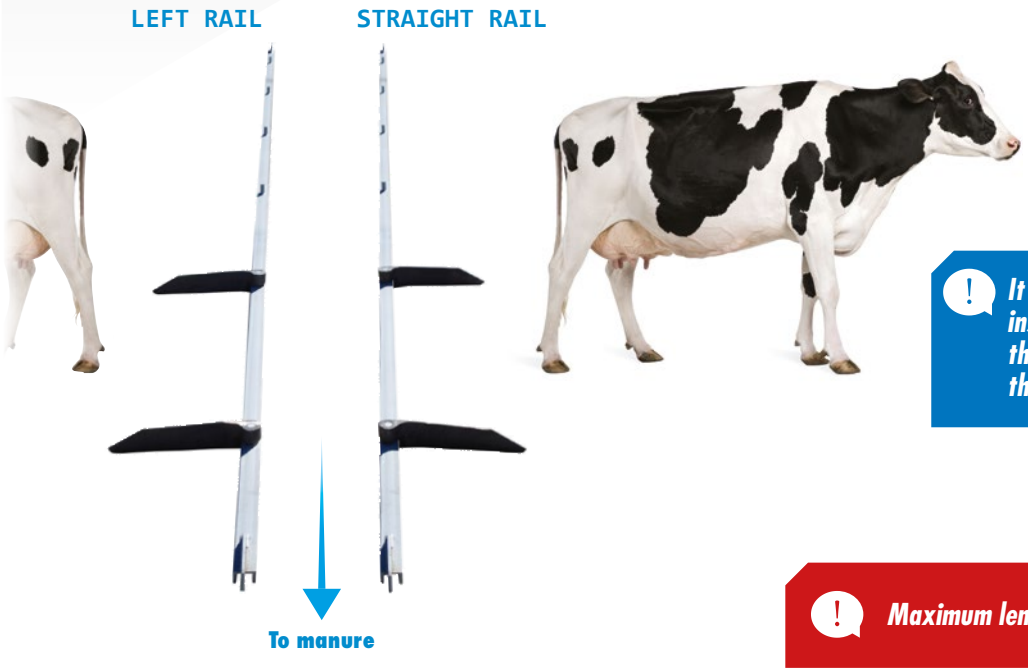
59020	Hydraulic oil unit with 4 kW motor (4 cans of oil required)
59055	20-litre can CKI-approved ISO-standard oil (minimum 4 per power unit)





DRIVE UNIT

59110	Drive unit



It is preferable to install the rails at the opposite side of the animals' feet

Maximum length: 40 m

RAIL FITTED WITH PADDLES WITH CAST-IN GUIDES

59301	Straight rail with paddle (maximum 40 meter length alley) per meter
59302	Left rail with paddle (maximum 40 meter length alley) per meter

Rails sold by 3 m segment.
50 x 38 track supplied in 6 m lengths.

Other channel widths :
Contact us

ELECTRICAL CONTROL UNIT

59440	Control unit

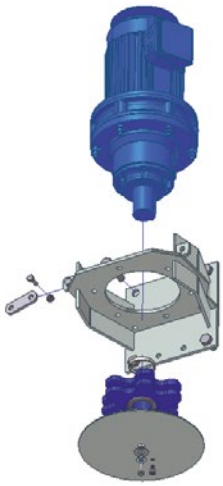
OTHERS

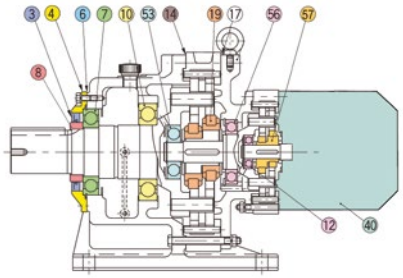
59400	Double flexible hose 3 m + connectors + 3 clamps
59410	Double flexible 4 m + connectors + 4 clamps
59411	Double flexible 5 m + fittings + 5 fixing clamps
59445	Manual reversing valve 1 central / 2 corridors

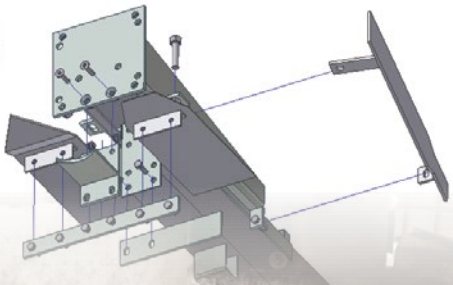
Spare Parts All Brands

Making your equipment last

Manure evacuation systems are put to the test. To guarantee decades of service, CK-INDUSTRIES offers a wide range of spare parts for its own equipment, as well as for systems made by other manufacturers such as ALFA LAVAL, LANCELOT SOVEMAG, SAMAS, etc., which have now disappeared.







Parts for CK-INDUSTRIES systems :

- Gears and nuts for evacuator chains **p.43**
- Continuous CK cleaner **p.44**
- Geared motors **p.48**
- Continuous marine chain evacuator **p.50**
- Marine chain scrapers **p.52**
- Square chain scrapers **p.54**
- Cable or rope scrapers **p.56**
- Hydraulic scrapers **p.60**
- Back and forth evacuator **p.64**

All makes of parts:

- CURETABLE' type evacuator **p.66**
- ALFA-LAVAL' type evacuator **p.70**
- LANCELOT/SOVEMAG' type evacuator **p.72**
- SAMAS' type evacuator **p.73**
- MI108' type evacuator **p.74**
- ALBERT' type evacuator **p.76**

PARTS FOR CHAINS

Gears, nuts and hubs



SPROCKET WHEEL FOR MI 108 AND MI 115 CHAIN TYPE

MI10850	Ø50 hub, Sprocket wheel MI108, non-welded
27078	Ø55 hub, Sprocket wheel MI108, non-welded
MI10860	Ø60 hub, Sprocket wheel MI108, non-welded
MI10865	Ø65 hub, Sprocket wheel MI108, non-welded
MI11550	Ø50 hub, sprocket wheel MI115, non-welded
27092	Ø55 hub, sprocket wheel MI115, non-welded
MI11560	Ø60 hub, sprocket wheel MI115, non-welded
MI11565	Ø65 hub, sprocket wheel MI115, non-welded
27128	Sprocket wheel MI108
27130	Sprocket wheel MI115

27136	Ø50 keyed hub, non-welded
27138	Ø55 keyed hub, non-welded
27140	Ø60 keyed hub, non-welded
27142	Ø65 keyed hub, non-welded
27144	Splined hub, non-welded
27128C	Sprocket wheel MI108, for Ø65 hub, non-welded
27130C	Sprocket wheel MI115, for Ø65 hub, non-welded

Choosing pocket wheel for worn chains

POCKET WHEEL	14 x 50 CHAIN		12 x 36 CHAIN	
	Dimensions for 20 links	Lengthening	Dimensions for 20 links	Lengthening
CK1	1 m	New chain	72 cm	New chain
CK2	1,03 to 1,08 m	3 to 8 %	74 to 76 cm	3 to 5 %
CK3	1,05 to 1,10 m	5 to 10 %	76 to 78 cm	5 to 8 %
CK4	1,08 to 1,13 m	8 to 13 %	-	-



Measure the distance of 20 links

SPROCKET WHEEL FOR CHAIN 14X50

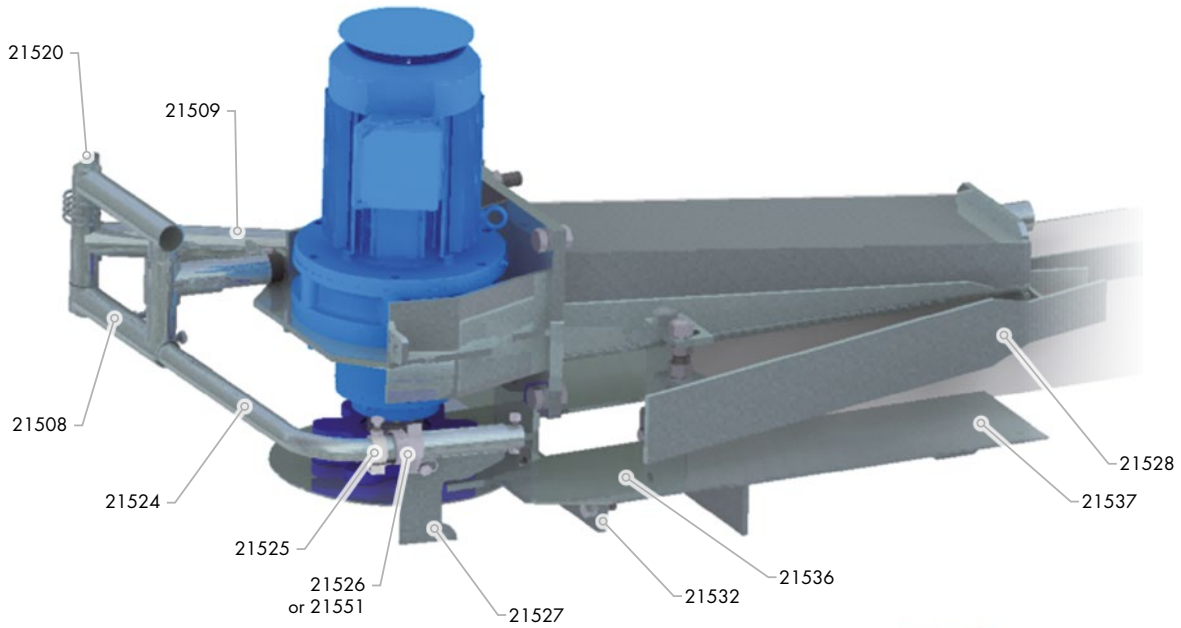
CK150	CKI1 sprocket wheel, Ø50 hub, non-welded
CK250	CKI2 sprocket wheel, Ø50 hub, non-welded
CK350	CKI3 sprocket wheel, Ø50 hub, non-welded
CK450	CKI4 sprocket wheel, Ø50 hub, non-welded
CK160	CKI1 hub, Ø60, non-welded
CK260	CKI2 hub, Ø60, non-welded
CK360	CKI3 hub, Ø60, non-welded
CK460	CKI4 hub, Ø60, non-welded
27010A	CKI1 sprocket wheel
27026A	CKI2 sprocket wheel
27040A	CKI3 sprocket wheel
27056A	CKI4 sprocket wheel
27112	CKI1 splined sprocket wheel
27116	CKI2 splined sprocket wheel
27122	CKI3 splined sprocket wheel
27126	CKI4 splined sprocket wheel

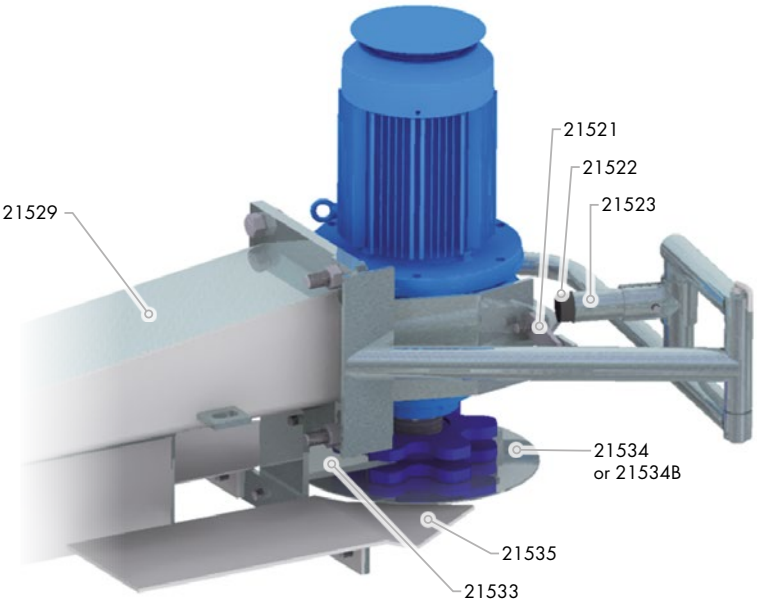
27010	CK1 steel hub - Ø55 non-welded
27026	CK2 steel hub - Ø55 non-welded
27040	CK3 steel hub - Ø55 non-welded
27056	CK4 steel hub - Ø55 non-welded
CK165	CKI1 hub, Ø65, non-welded
CK265	CKI2 hub, Ø65, non-welded
CK365	CKI3 hub, Ø65, non-welded
CK465	CKI4 hub, Ø65, non-welded
27010C	CKI1 hub for Ø65 hub, non-welded
27026C	CKI2 hub for Ø65 hub, non-welded
27040C	CKI3 hub for Ø65 hub, non-welded
27056C	CKI4 hub for Ø65 hub, non-welded
27136	Ø50 keyed hub, non-welded
27138	Ø55 keyed hub, non-welded
27140	Ø60 keyed hub, non-welded
27142	Ø65 keyed hub, non-welded
27144	Non-welded splined hub

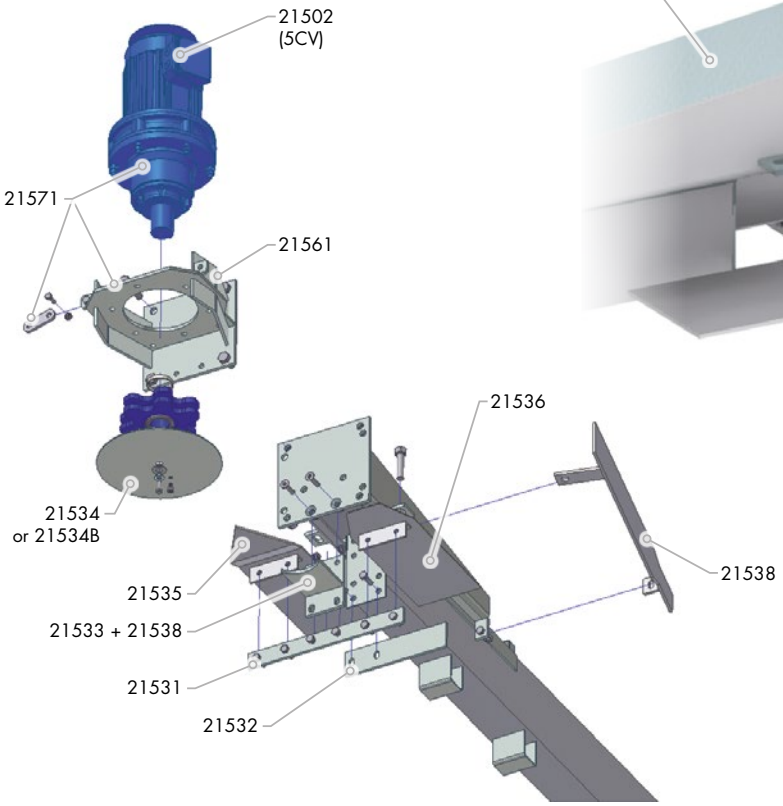
PARTS CKI CONTINUOUS CLEANER

Drive and ramp end









► **Gearmotors details page 48**

Check the diameter of the output shaft of the gearbox to be replaced and check the wear rating of the chain if the diameter of the output shaft of the gearbox to be replaced is different from 60 mm.

DRIVE MECHANISM

21502	EVAC 5CV 4 kW geared motor, complete	
21571	SUMI 5HP geared motor kit + Ø60 chair	
21561	SUMI 2 and 3 HP scraper and 5 HP continuous gear motor support chair	
SPE0570	Specific grease cartridge for geared motor	

CHAIN CLEANER

21510	Complete CKI cleaner - ATTENTION: for horizontal ramps, add spring Ref. 21553	
21508	Mobile arm support	2 kg
21509	Fixed arm support (2 parts)	4,2 kg
21520	Cleaning shaft	0,6 kg
21521	Arm reinforcement plate	1 kg
21522	Rubber stop	0,1 kg
21523	Stop support	0,3 kg
21524	Movable arm	2,3 kg
21525	Spring adjustment ring	0,1 kg
21526	Left spring	0,1 kg
21551	Straight-hand spring	0,1 kg
21553	Horizontal ramp spring	0,1 kg
21527	Cleaner	0,75 kg
21528	Top part for CKI cleaner for 45 cm wide collector channel	5,5 kg
21590	Complete CKI cleaner for 50 cm wide collector channel	
21595	Complete CKI cleaner for 70 cm wide collector channel	

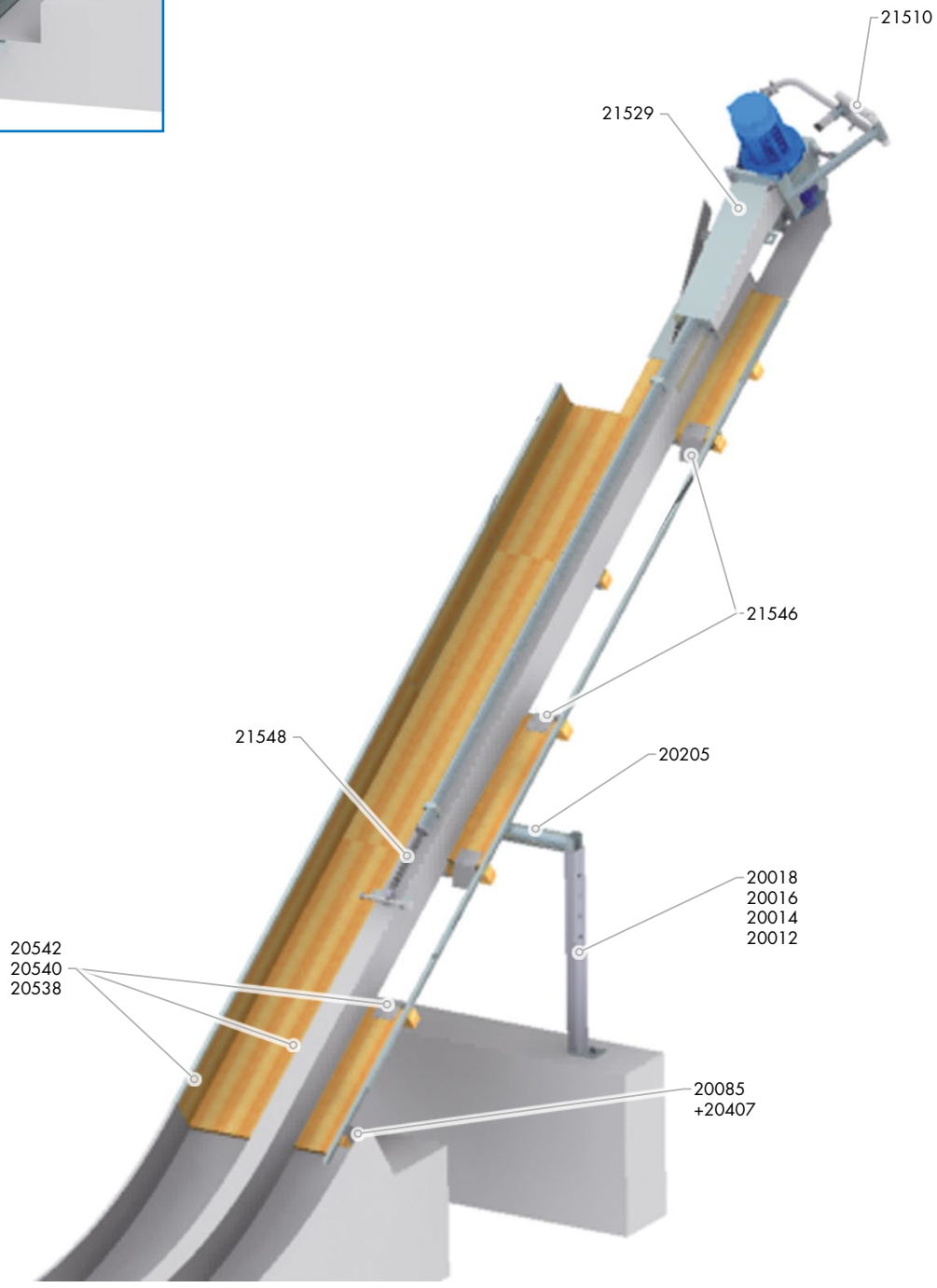
END OF RAMP

21550	Ramp head plate assembly	0,1 kg
21531	Plate drive plate	1,5 kg
21532	Plate reinforcement plate	1,6 kg
21534	Hub disc with hole 55	2,2 kg
21534B	Hub disc with hole 20	2,2 kg
21535	Pointed return sheet	3 kg
21536	Mounted movable plate	3 kg
21537	Mounted fixed plate	2,3 kg
21529	Geared motor support	31 kg
21533	Bar screen finger	2,5 kg
21538	Bar screen wedge	0,5 kg
20030	Tension tube end piece	0,2 kg

PARTS CKI CONTINUOUS EVACUATOR

Ramp





CKI BEAM

Needs 15 days for delivery

20170	CKI beam 1 m horizontal galvanised
20171	CKI beam 3 m galvanised
20172	CKI beam 4 m galvanised
20173	CKI beam 5 m galvanised
20174	CKI beam 6 m galvanised
20175	CKI beam 7 m galvanised
20176	CKI Beam 8 m galvanised
20177	CKI beam 10 m galvanised
20085	Ramp articulation support
20407	Axle Ø25 lg 185
20018	Ramp feet 3 and 4 m, 2 required
20016	Ramp feet 5 and 6 m, 2 required
20014	Ramp foot 7 m, 2 required
20012	Ramp feet 8 and 10 m, 2 required
20205	Banister foot crosspiece
20020	Foot of ramp spacer 7 - 8 and 10 m

WOODEN FLOOR, THICKNESS 22 MM

Supplied complete with slides, handrail, spikes, etc.

20180	Complete CKI wooden floor, thickness 22 mm - 3 m
20181	Complete CKI wooden floor, thickness 22 mm - 4 m
20182	Complete CKI wooden floor, thickness 22 mm - 5 m
20183	Complete CKI wooden floor, thickness 22 mm - 6 m
20184	Complete CKI wooden floor, thickness 22 mm - 7 m
20185	Complete CKI wooden floor, thickness 22 mm - 8 m
20186	Complete CKI wooden floor, thickness 22 mm - 10 m

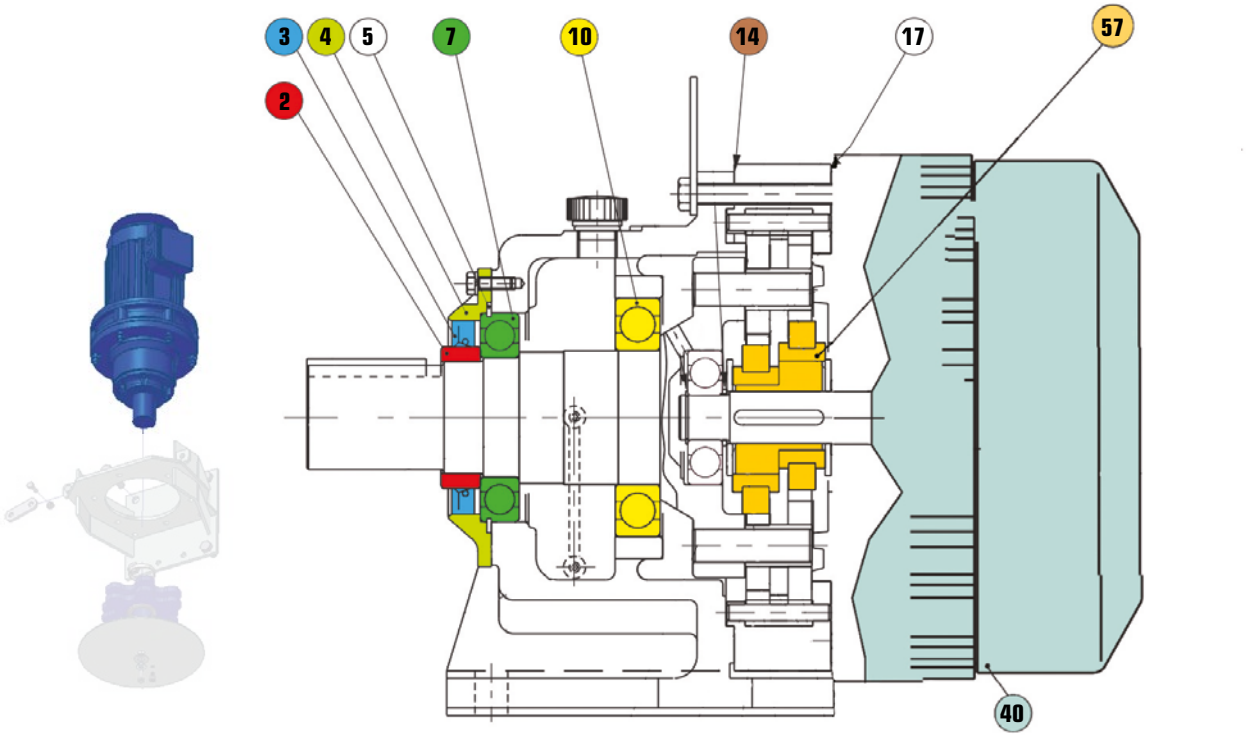
PARTS SOLD AT RETAIL

B0I0002	Plank 1700 x 250
21540	Plank 1700 x 200
21543	Platform for floor attachment
20040	Runner 25 x 25 lg 2.55 m
20042	Runner 25 x 25 lg 0.85 m
20038	Runner 25 x 25 lg 3.40 m
21546	Return ramp

GEARED MOTORS

for CKI continuous evacuator





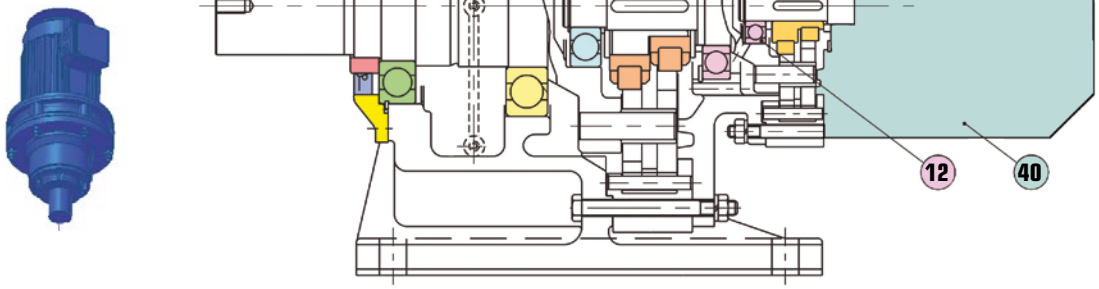
GEARED MOTOR FOR CONTINUOUS CKI EVACUATOR

	21502	EVAC 5CV 4 kW geared motor, complete
2	SPE1115	Shaft end metal ring
3	SPE1114	Shaft end seal
4	SPE1005	Output cover
5	SPE1006	Output cover seal
7	SPE1113	Shaft end bearing
10	SPE1640	Output shaft rear bearing
14	SPE1560	Paper seal
17	SPE1641	Paper seal
57	SPE0695	Eccentric bearing
40	SPE0571	Motor

GEARED MOTORS

for CKI evacuator and chain scrapers





GEARED MOTORS FOR CHAIN SCRAPERS

20403	2CV geared motor - 1.1 kW chain scraper
20404	2CV geared motor - 1.5 kW chain scraper
20406	3CV geared motor - 2.2 kW chain scraper
20408	4CV geared motor - 3 kW chain scraper

		Geared motor for chain scraper			
		2CV - 1.1 kW	2CV - 1.5 kW	3CV - 2.2 kW	4CV - 3 kW
		20403	**20404**	**20406**	**20408**
3	Shaft end seal	SPE1319	SPE1114	SPE1114	
4	Output cover	SPE1318	SPE1005	SPE1005	
6	Output cover seal	SPE1320	SPE1006	SPE1006	
7	Shaft end bearing	SPE2246	SPE1113	SPE1113	SPE1476
8	Shaft end metal ring	SPE1317	SPE1115	SPE1115	
10	Rear output shaft bearing	SPE2061	SPE1640	SPE1640	SPE1478
12	1st stage eccentric end bearing	SPE2113	SPE2113	SPE2113	
14	Paper seal	SPE1287	SPE1560	SPE1560	
17	Paper seal	SPE1288	SPE1641	SPE1641	
19	2nd stage eccentric bearing			SPE2350	
40	Motor	SPE0904	SPE1054	SPE1185	
53	2nd stage eccentric end bearing	SPE2111			
56	Front eccentric bearing 2nd stage	SPE2112			
57	1st stage eccentric bearing	SPE1416	SPE1416	SPE1416	

PARTS FOR CKI CONTINUOUS EVACUATOR





26023
26001
26007
26004



26008



26006

14 X 50 CHAIN

26023	Chain 14x50 with 6 cm paddles for 40 cm wide channels	7 kg
26001	Chain 14x50 with 6 cm paddles for 45 cm wide channels	7 kg
26007	Chain 14x50 with 6 cm paddles for 50 cm wide channels	7 kg
26004	Chain 14x50 with 6 cm paddlesfor non-standard	

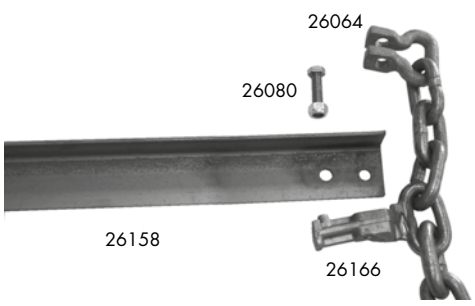
! Remember to specify the direction of ascent

26245	For channel 50 cm, paddles 12 cm, per m	
26049	For channel 70 cm, paddles 12 cm, per m	
26008	14 x 50 chain with welded heels without scrapers nor bolts	5 kg
26006	14 x 50 chain with connecting links	4 kg



SPROCKED WHEEL, KEY & HUBS

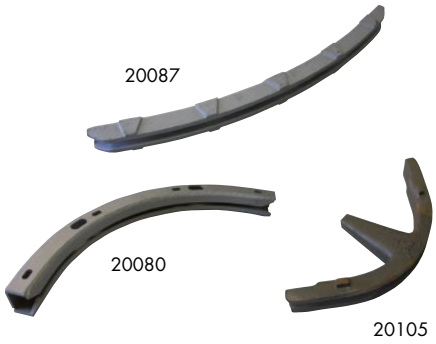
27010A	CKI1 sprocket wheel	7 kg
27026A	CKI2 sprocket wheel	7,5 kg
27040A	CKI3 sprocket wheel	8 kg
27056A	CKI4 sprocket wheel	8,5 kg
14102	Key for Ø50 hub	
14104	Key for Ø55 hub	
14105	Key for Ø60 and Ø65 hubs	
27136	Ø50 keyed hub	1,6 kg
27138	Ø55 keyed hub	1,4 kg
27140	Ø60 keyed hub, non-welded	1,2 kg
27142	Keyed Ø65 hub	1,6 kg
27010C	CKI1 hub bare for Ø65 hub, not welded	
27026C	CKI2 hub bare for Ø65 hub, not welded	
27040C	CKI3 hub bare for Ø65 hub, not welded	
27056C	CKI4 hub bare for Ø65 hub, not welded	



26064
26080
26158
26166

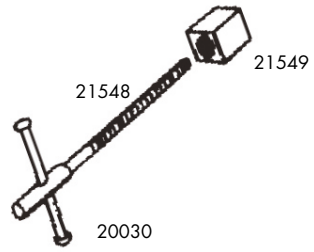
PADDLES, PADS, BOLT & CONNECTING LINK

26152	6 cm paddle for channel 40 - lg 31 cm wide	1,2 kg
26158	6 cm paddle for channel 45 - lg 36 cm wide	1,3 kg
26164	6 cm paddle for channel 50 - lg 41 cm wide	1,6 kg
26166	Pad to weld for 6cm paddle	0,4 kg
26080	Bolt - 12 x 45	0,06 kg
26064	Link connection 14 x 50	0,5 kg



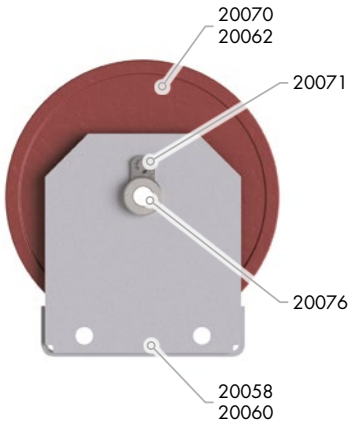
CHAIN GUIDES

20087	CKI ramp's start	7,5 kg
20080	CKI internal slide	18 kg
20105	CKI friction angle	5,2 kg



TENSION

21548	Zinc-plated tensionning screw	2,4 kg
20030	Tensionning nut end piece	
21549	Welded tension nut	0,75 kg
21549P	Tension nut on plate lg 210 zinc-plated	2,2 kg



PULLEY, AXLE & SUPPORT

20070	CKI4 hub for Ø65 hub, not welded	7,5 kg
20062	Ø350 pulley - cast iron	14,2 kg
20070B	Factory ringed pulley Ø180 - steel	7,7 kg
20062B	Factory ringed pulley Ø350 - cast iron	14 kg
20082	Metal ring marine chain pulley to stick on pulley	
20076	Ø50 shaft	1 kg
20071	Continuous pulley shaft stop plate Z	
20072	Ø350 bare pulley - cast iron	
20056	Complete pulley Ø350	12 kg
20052	Complete pulley Ø350	24 kg
20058	Support Ø350	8,4 kg
20060	Support Ø180	3,2 kg

PARTS OF MARINE CHAIN SCRAPERS





DRIVE MECHANISM

21582	SUMI 2CV geared motor kit + Ø60 chair
21581	SUMI 3CV geared motor kit + chair
60517A	2CV scraper geared motor
20406	3CV scraper geared motor
20130H	Double pilot valve + seal and coupling
SPE0570	Specific grease cartridge for geared motor
SPE1533	Power board for chain scraper cabinet + end of stroke + mains cut management
SPE1578	Front panel + cabinet display chain or cable scraper + GCS
ELE0072	Motor safety box 1.1/1.5 kW 2.5/4.0A
ELE0073	Motor safety unit 2.2 kW 4/6.3A
ELE0088	Emergency stop
30526A	Millénium GCS inv/current + GFC box
SPE0958	Chain wiper limit switch support assembly
SPE1599	Evolution programme chain or cable scraper box + GCS
21561	SUMI2 and 3 HP scraper and 5 HP continuous gear motor support chair
21533	Degreasing finger
59390	Limit switch
59395	Inductive limit switch
21548	Zinc-plated tensioning screw
21549P	Tensioning nut on zinc-plated plate lg 210
20132	Tensionning rack





Pay attention to choose sprocked wheel and hub's diameter corresponding to your geared motor

SPROCKED WHEEL

27136	Ø50 keyed hub
27138	Ø55 keyed hub
27140	Ø60 keyed hub
27142	Ø65 keyed hub
27010A	CKI1 sprocket wheel
27026A	CKI2 sprocket wheel
27040A	CKI3 sprocket wheel
27056A	CKI4 sprocket wheel
27010C	Ø50 keyed hub, non-welded
27026C	Ø55 keyed hub, non-welded
27040C	Ø60 keyed hub, non-welded
27056C	Ø65 keyed hub, non-welded

► **Gearmotor details page 49**

PULLEY

20519

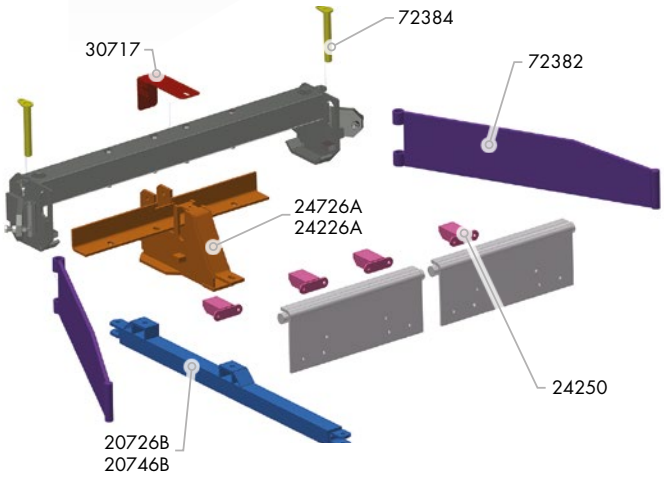


20070	Ø180 pulley - steel
20062	Ø350 pulley - cast iron
20070B	Factory ringed pulley Ø180 - steel
20062B	Factory ringed pulley Ø350 - cast iron
20082	Metal ring for marine chain pulley to stick on pulley
20076	Ø50 axle
20072	45° hydraulic grease nipple
20063	Chain guide 14x50
20079	Shouldered and welded axle Ø50 CKI pulley
20074	Straight 6p11 hydraulic grease nipple



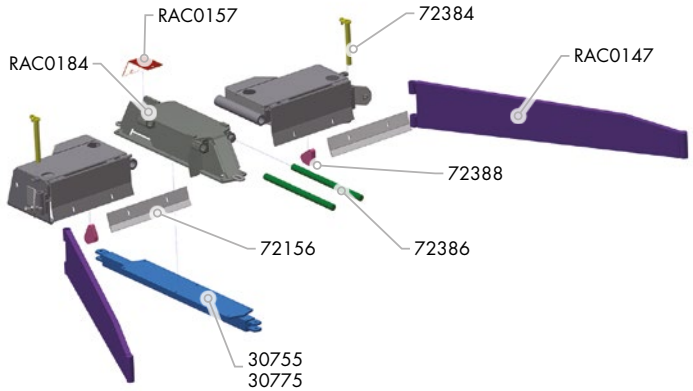
CHAÎNE 14 X 50

26015	Chain 14x50 + connecting link
26179	Split connecting link 14x50
26064	Connecting link 14 x 50



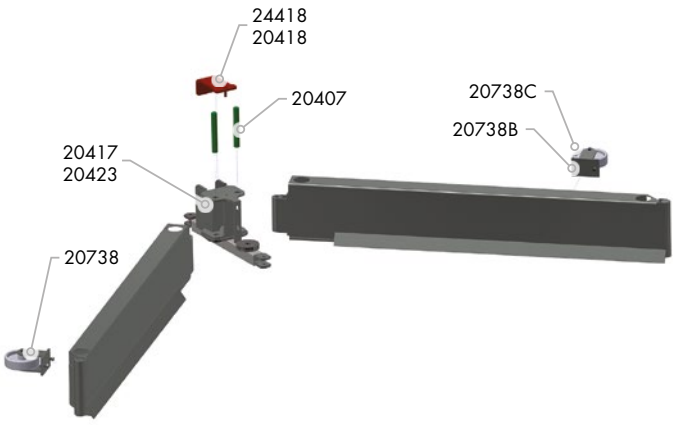
STRAIGHT SCRAPER PARTS
MARINE CHAIN SLOT 7 X 6

14020	Screw 14x60 H - Chain link on lower part
14055	Lock nut M14
20726B	Straight scraper support, lower part, navy 6x6 cm
20746B	Straight-hand scraper support, disengageable, lower part for marine chain
VIS0064	SCREW 16 X 40 H - Mounting upper part on lower part
ECR0019	Lock nut M16
24726A	Ballastable straight scraper support upper part HT 250
VIS0037	Screw 16 x 130 H - Mounting upper part with rubber blade support
ECR0008	Nut M16
30717	Straight wiper support cover
72382	End rubber blade lg 1m truncated HT 250
VIS0043	Screw 16 x 80 End rubber blade stop
72384	End rubber blade hinge pin HT 250
24250	Wear heel for straight wiper HT 250



U SCRAPER PARTS
MARINE CHAIN SLOT 7 X 6

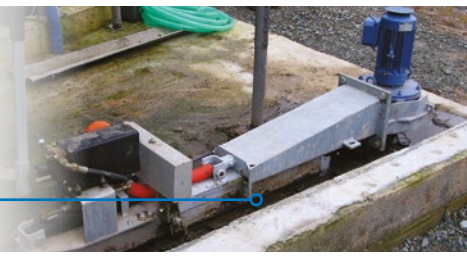
14020	Screw 14x60 H - Chain link on lower part
14055	M14 lock nut
30755	Lower support for U scraper, marine chain
30775	Lower support for U scraper, disengageable, marine chain
VIS0039	10x30 stainless steel TF screw - Upper part mounted on lower part
ECR0028	Stainless steel M10 nut
RAC0184	Upper central part U scraper
RAC0157	Scraper support cover U
72386	Arm hinge pin
72156	Straight scraper wear blade
14005	Screw 10 x 30 H for wear blade mounting
RON0007	Washer 10 x 22 x 2
14051	M10 nut
72388	Rubber blade lifting cam
72384	End rubber blade hinge pin HT 250
RAC0147	Heavy shutter lg 1.5m truncated HT 250
VIS0043	Screw 16 x 80 Shutter end stop
ECR0008	Nut M16



V SCRAPER PARTS
MARINE CHAIN SLOT 7 X 6

14020	Screw 14x60 H - Chain link on V scraper support
14055	Lock nut M14
20417	Support for marine chain scraper
20423	Disengageable V scraper support for marine chain
24418	Stop plate for V scraper axles
14024	Screw 10 x 40 H - Assembly of stop plate
20418	Stop plate V scraper shafts old model
20407	Axis 25 - lg 185
14011	M12 x 30 screw
14053	M12 nut
20738	Polyamide wheel for scraper
20738B	Polyamide wheel support
20738C	Polyamide wheel Ø150 x 40
20738D	Spacer Ø21 lg 61 for wheel
14013	Screw 12 x 90 H
14054	Nut M12 Brake

CKI SQUARE CHAIN SCRAPER PARTS

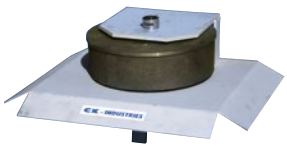






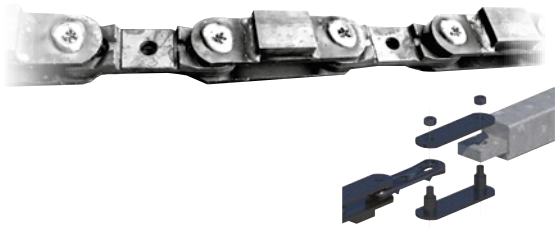
DRIVE MECHANISM

20406	3CV geared motor - 2.2 kW chain scraper
20408	4CV geared motor - 3 kW chain scraper
20130H	Double pilot valve + seal and connector
SPE0570	Grease cartridge for gear motor
SPE1533	Power board for chain scraper cabinet + end of stroke + mains cut management
SPE1578	Scraper cabinet front panel+display ch/cable
ELE0073	Motor safety box 2.2 kW 4/6.3A
ELE0074	Motor safety unit 3 kW 6/10A
ELE0088	Emergency stop
30526A	Millenium GCS inv/current + GFC box + programming manual
SPE0958	Scraper chain limit switch support assembly
SPE1599	Upgradeable scraper chain/cable box + GCS
59390	Limit switch
59395	Inductive limit switch
21548	Evacuator tensioning screw
21549P	Evacuator tensioning nut on plate lg 210





20546



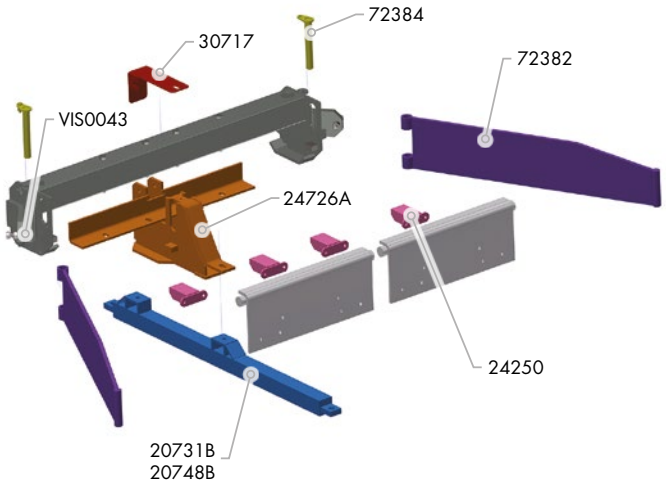
GEAR / PULLEY

20538B	Finger bar screen MI115 square chain scraper
27130	MI115 star
27140	Ø60 keyed hub
SPE0611	Ø70 keyed hub Lg 95
23810	Bare pulley Ø320 NM MI115 'Alfa laval
23810B	Ø320 ringed pulley square chain (2 rings)
20547	MI115 square chain pulley metal ring
20546F	Welded shouldered pin Ø40 M14 square chain pulley
20546D	Welded shouldered pin Ø40 M16 square chain pulley
20074	Straight nose grease nipple

SQUARE CHAIN

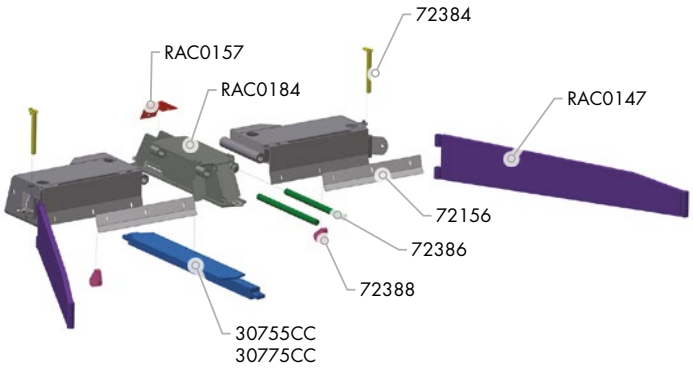
20544	MI115 scraper chain
20545	MI115 scraper chain connecting link

► **Gearmotor details page 49**



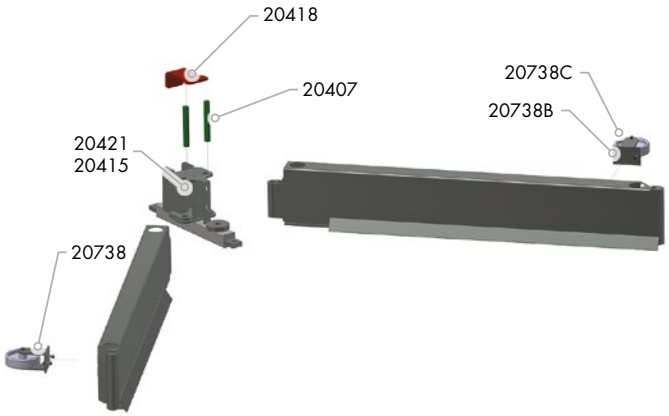
STRAIGHT SCRAPER PARTS
SQUARE CHAIN SLOT 8 X 7

20731B	Straight scraper support, square chain lower part
20748B	Straight scraper support, disengageable, square chain lower part
VIS0064	SCREW 16 X 40 H - Upper part mounted on lower part
ECR0019	Lock nut M16
24726A	Ballastable straight scraper support upper part HT 250
VIS0037	Screw 16 x 130 H - Mounting upper part with rubber blade support
ECR0008	Nut M16
30717	Straight wiper support cover
72382	End rubber blade lg 1m truncated HT 250
VIS0043	Screw 16 x 80 End rubber blade stop
72384	End rubber blade hinge pin HT 250
24250	Wear heel for straight wiper HT 250



U SCRAPER PARTS
SQUARE CHAIN SLOT 7 X 6

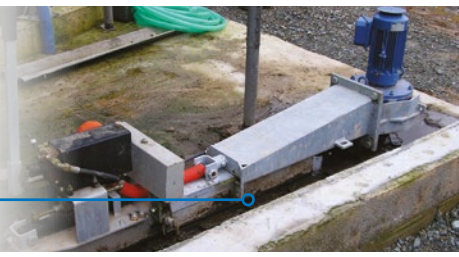
30755CC	Lower support for square chain U scraper
30775CC	Lower support for U scraper, disengageable, square chain
VIS0039	10x30 stainless steel TF SCREW - Upper part mounted on lower part
ECR0028	Stainless steel M10 nut
RAC0184	Upper central part U scraper
RAC0157	Scraper support cover U
72386	Arm hinge pin
72156	Straight scraper wear blade
14005	Screw 10 x 30 H for wear blade mounting
RON0007	Washer 10 x 22 x 2
14051	M10 nut
72388	Rubber blade lifting cam
72384	End rubber blade hinge pin HT 250
RAC0147	Heavy shutter lg 1.5m truncated HT 250
VIS0043	Screw 16 x 80 Shutter end stop
ECR0008	Nut M16

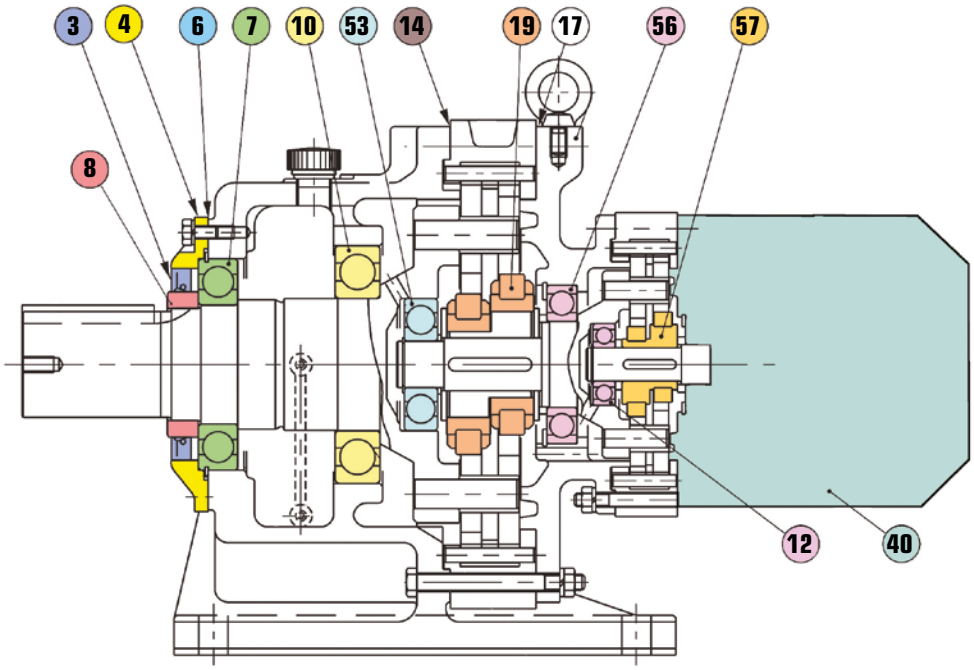


V SCRAPER PARTS
SQUARE CHAIN SLOT 7 X 6

20421	Square chain V-scraper support
20415	Square chain disengageable V-shaped scraper support
24418	Stop plate for Vee scraper axles
14024	Screw 10 x 40 H - Assembly of stop plate
20418	Stop plate for old model Vé scraper shafts
20407	Axis 25 - lg 185
14011	M12 x 30 screw
14053	M12 nut
20738	Polyamide wheel for scraper
20738B	Polyamide wheel support
20738C	Polyamide wheel Ø150 x 40
20738D	Spacer Ø21 lg 61 for wheel
14013	Screw 12 x 90 H
14054	Nut M12 Brake

PARTS OF CABLE OR ROPE SCRAPERS







GEARED MOTORS FOR SCRAPERS

		Geared motor for cable/rope scraper			
		0.55 kW	0.75 kW	1.1 kW	1.5 kW
		60500A	**60505A**	**60515A**	**60517A**
3	Shaft end seal	SPE1319	SPE1319	SPE1319	SPE1114
4	Output cover	SPE1318	SPE1318	SPE1318	SPE1005
6	Output cover seal	SPE1320	SPE1320	SPE1320	SPE1006
7	Shaft end bearing	SPE2060	SPE2060	SPE2246	SPE1113
8	Shaft end metal ring	SPE1317	SPE1317	SPE1317	SPE1115
10	Rear output shaft bearing	SPE2061	SPE2061	SPE2061	SPE1640
12	1st stage eccentric end bearing	SPE2113	SPE2113	SPE2113	SPE2113
14	Paper seal	SPE1287	SPE1287	SPE1287	SPE1560
17	Paper seal	SPE1288	SPE1288	SPE1288	SPE1641
19	2nd stage eccentric bearing	SPE2110	SPE2110	SPE2110	
40	Motor	SPE1031	SPE1028	SPE2001	SPE1054
53	2nd stage eccentric end bearing	SPE2111	SPE2111	SPE2111	
56	Front eccentric bearing 2nd stage	SPE2112	SPE2112	SPE2112	
57	1st stage eccentric bearing	SPE1679	SPE1679	SPE1416	SPE1416







20535

CONTROL BOX

SPE1980	Scraper cabinet power card cable 2V 4MR + Mains failure management + Limit switch management
SPE1981	Scraper cabinet power card, cable 1V 2MR + GCS + GFC
SPE1982	Extension module power card + GCS + GFC
SPE1578	Front panel + scraper cabinet display ch/cable + GCS
SPE1599	Upgradeable scraper cabinet + GCS
60561B	Duo cabinet GCS + GFC
60566B	Quatro GCS + GFC cabinet
ELE0122	160 mA 5x20 time-delay fuse (power card)
ELE0083	5x20 1A time-delay fuse (PLC cabinet + aff. card)
SPE2022	Front panel battery
SPE1765	Front panel without cabinet display
ELE0070	Motor protection unit 0.55 kW 1/1.6A
ELE0071	Motor protection unit 0.75 kW 1.6/2.5A
ELE0072	Motor protection unit 1.1/1.5 kW 2.5/4A
ELE0088	Emergency stop



60543



60548



60540



60540C

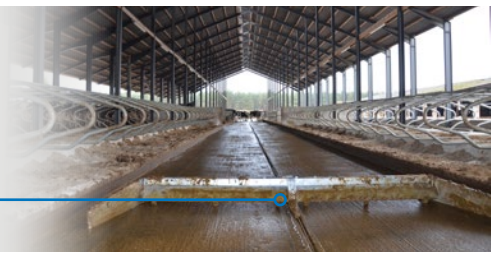
60540B
60548B

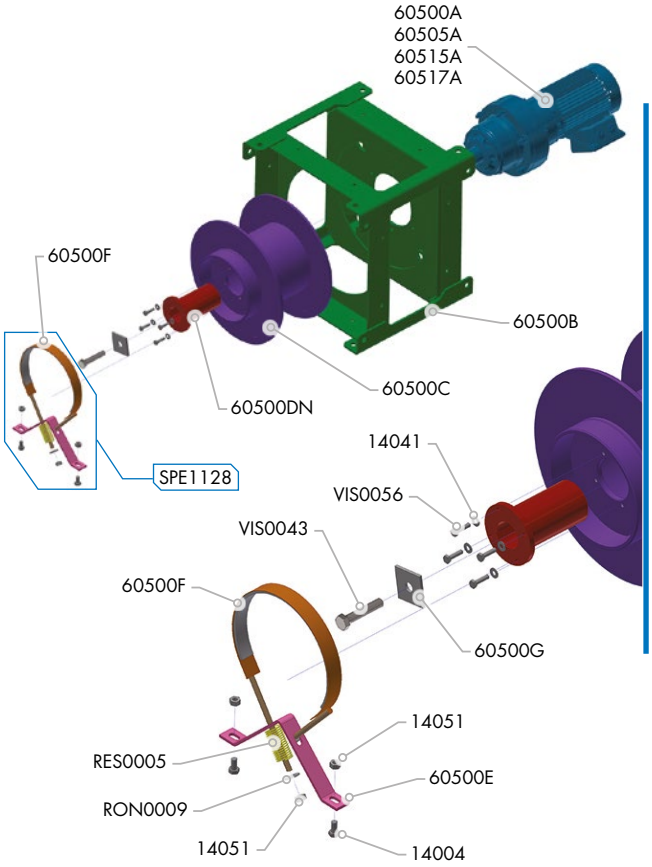
ROPE AND CABLE

60543	Synthetic fiber Ø 10mm (per meter)
60548	Synthetic fiber Ø 12mm (per meter)
60540	Stainless steel cable Ø 10mm (per meter)
60540B	Ø10 stainless steel core terminal
60548B	Ø12 stainless steel core terminal
60540C	Ø10 stainless steel cable clamp

CKI

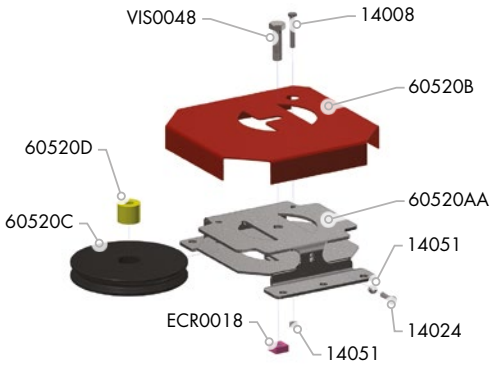
PARTS OF SCRAPERS WITH CABLE OR ROPE





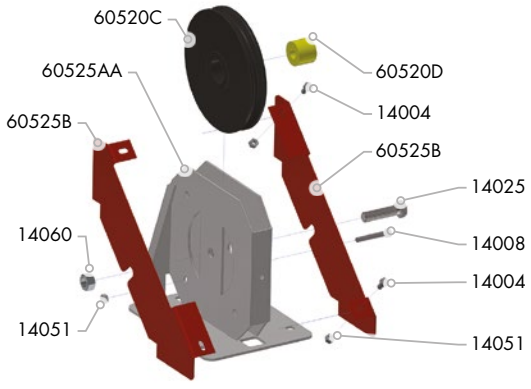
CABLE/ROPE WINCH

60500B	Galvanised winch frame
60500C	Machined winch drum
60500DN	Black winch hub
60500E	Galvanised brake support
60500F	Winch brake
60500G	Galvanised winch gear motor shaft end plate
VIS0056	Screws 8x30 black 6P Hollow 12.9 class
14041	Washer 9x18x1.5 zinc-plated
VIS0043	Screw 16 x 80
ECR0018	Nut 20 zinc-plated
14004	Screw 10 x 20
14051	Nut M10
RES0005	Comp. spring Øext. 19 Lg 65
RON0009	Washer 12 x 27 x 2 zinc-plated
SPE1128	Complete winch brake



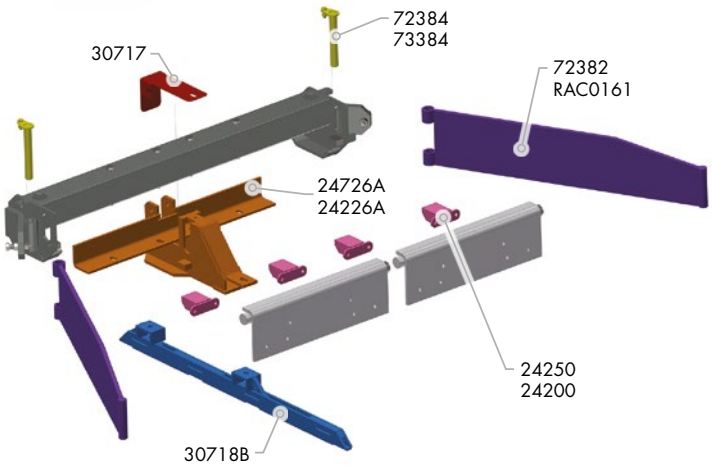
HORIZONTAL PULLEY

60520AA	Galvanised horizontal pulley support
60520B	Protective cover for horizontal cable pulley
60520C	Bare pulley for cable or rope
60520D	Ø250 rope scraper pulley ring
VIS0048	Screw 20x70 H-PF zinc-plated
ECR0018	Nut 20 zinc-plated square
14008	Screw 10 x 70 zinc-plated H
14024	Screw 10 x 40 zinc-plated H
14051	Nut M10



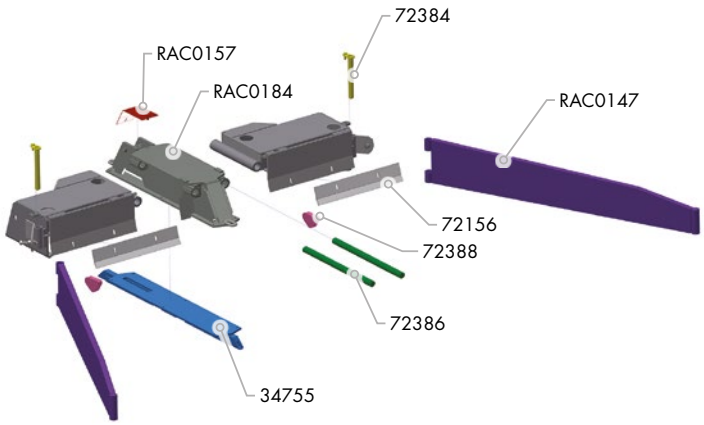
VERTICAL PULLEY

60525AA	Vertical pulley support for cable or rope
60525B	Protective cover for vertical rope pulley
60520C	Bare pulley for cable or rope
60520D	Ø250 rope scraper pulley ring
14025	Screw 20x80 H threaded under zinc-plated head
14060	Nut 20 zinc-plated
14008	Screw 10 x 70 H zinc-plated
14024	Screw 10 x 40 H zinc-plated
14051	Nut M10



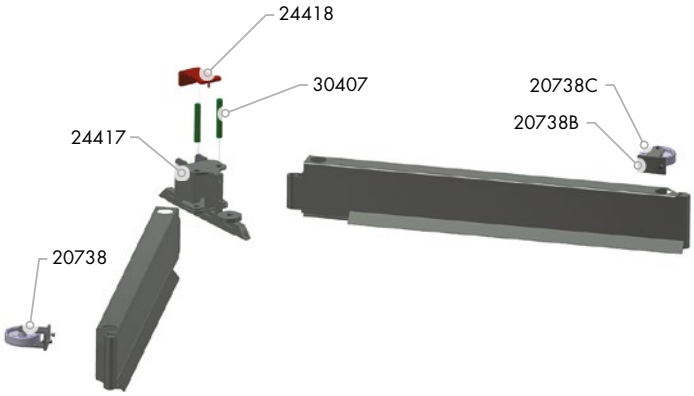
STRAIGHT SCRAPER PARTS
CABLE/ROPE SLOT 4 X 7

30718B	Straight wiper support lower part cable 32x60
VIS0064	SCREW 16 X 40 H - Mounting upper part on lower part
ECR0019	Lock nut M16
24726A	Bellastable straight scraper support upper part HT 250
24226A	Bellastable straight wiper support upper part HT 200
VIS0037	Screw 16 x 130 H - Mounting upper part with rubber blade support
ECR0008	Nut M16
30717	Straight wiper support cover
72382	End rubber blade lg 1m truncated HT 250
RAC0161	End rubber blade lg 1m truncated HT 200
VIS0043	Screw 16 x 80 End rubber blade stop
72384	End rubber blade hinge pin HT 250
73384	End rubber blade hinge pin HT 200
24250	Wear heel for straight wiper HT 250
24200	Wear heel for straight wiper HT 200



U SCRAPER PARTS
CABLE/ROPE SLOT 4 X 7

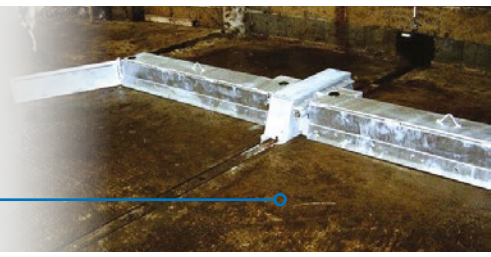
34755	Lower U-cable wiper support
VIS0039	SCREW 10x30 stainless steel TF - Mounting upper part on lower part
ECR0028	M10 stainless steel nut
RAC0184	Upper central part scraper U
RAC0157	Scraper support cover U
72386	Arm hinge pin
72156	Straight scraper wear blade
14005	Screw 10 x 30 H for wear blade mounting
RON0007	Washer 10 x 22 x 2
14051	Nut M10
72388	Rubber blade lifting cam
72384	HT 250 end shutter hinge pin
RAC0147	Heavy shutter lg 1.5m truncated HT 250
VIS0043	Screw 16 x 80 Shutter end stop
ECR0008	Nut M16

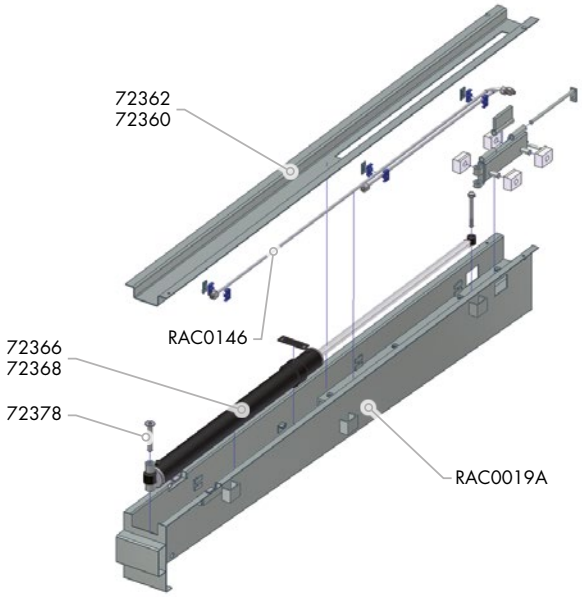


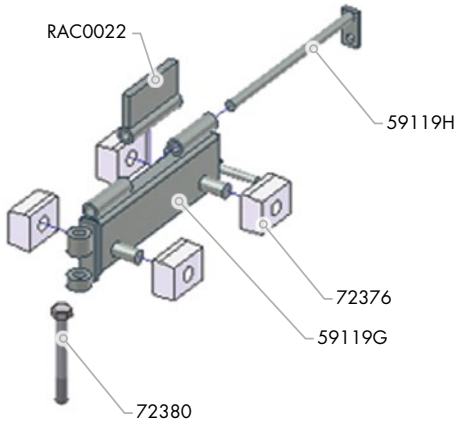
V SCRAPER PARTS
CABLE/ROPE SLOT 4 X 7

24417	Vé cable scraper support
24418	Wiper shaft stop plate Vé
14024	Screw 10 x 40 H - Stop plate assembly
20418	Stop plate for old model Vé scraper shafts
20407	Axis 25 - lg 185
14011	Screw M12 x 30
14053	Nut M12
20738	Polyamide wheel for scraper
20738B	Polyamide wheel support
20738C	Polyamide wheel Ø150 x 40
20738D	Spacer Ø21 lg 61 for wheel
14013	Screw 12 x 90 H
14054	Nut M12 Brake

SCRAPER PARTS HYDRAULIC



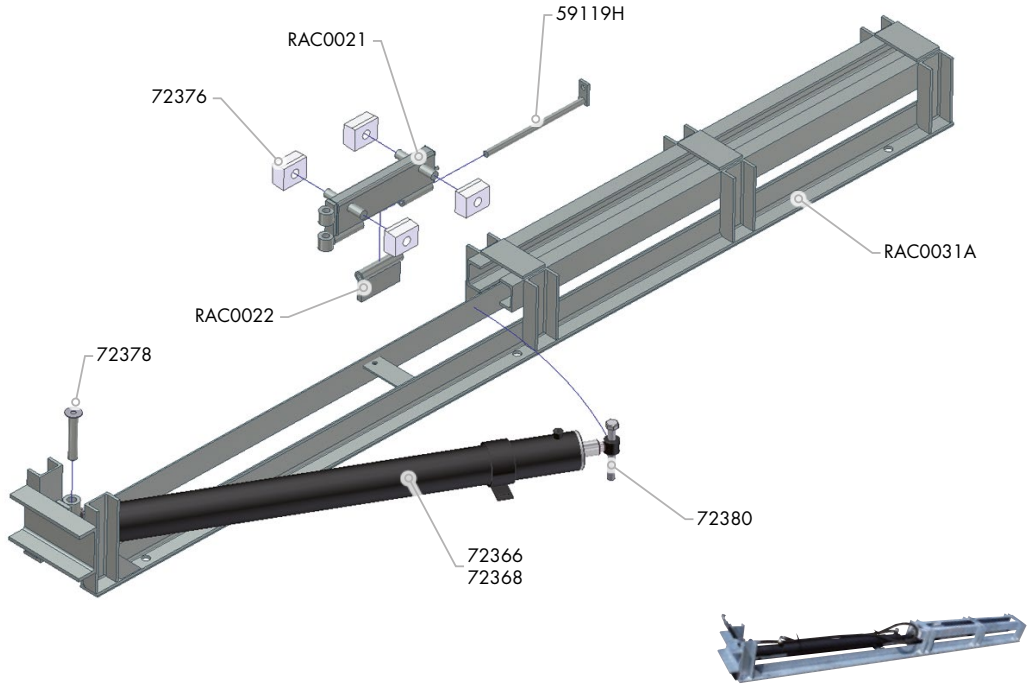






RECESSED DRIVE UNIT

72362	Cover for 140-rail recessed unit (old model)
72360	Cover for 120-rail recessed unit (old model)
14030	Screw 10 x 20 stainless steel TF hexagon socket
ECR0014	Nut 10 stainless steel square
RAC0146	Pipe + clamp kit / built-in unit
RAC0260	Cylinder seal pockets 60 x 40
RAC0290	Cylinder seal pockets 90 x 40
72366	Cylinder 60 x 40
72368	Cylinder 90 x 40
72378	Cylinder shaft Ø24
72380	Cylinder rod pin Ø20
72394	Double stauff collar Ø20 (flexible mounting)
72376	Carriage drive pad, set of 4
RAC0022	Rail drive plate
59119G	Hydraulic VV slide
59119H	Hydraulic VV slider/drive finger axle

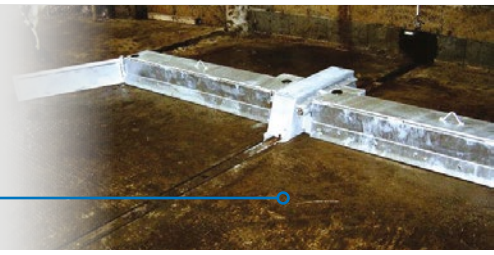


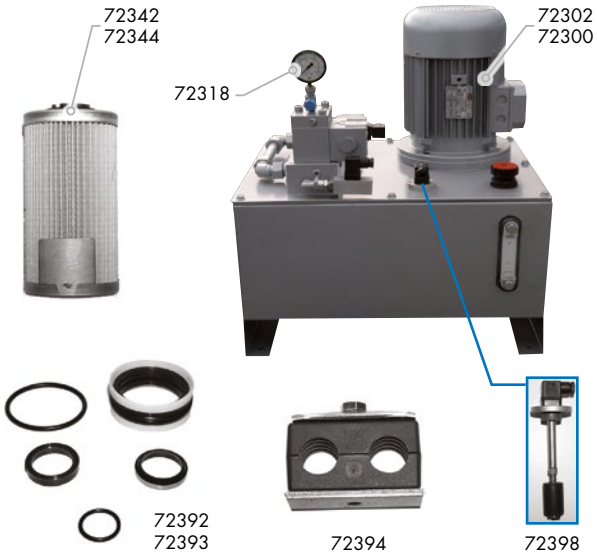
SURFACE DRIVE UNIT

RAC0260	Cylinder seal pockets 60 x 40
RAC0290	Cylinder seal pockets 90 x 40
72366	Cylinder 60 x 40
72368	Cylinder 90 x 40
RAC0084	Flexible lg 1,5m bent F 1/2 - Banjo 1/2
RAC0085	Hose lg 2,7m bent F 1/2 - Banjo 1/2
72378	Cylinder shaft Ø24
72380	Cylinder rod axle Ø20
72394	Double stauff collar Ø20 (flexible attachment)
72376	Drive carriage pads (4)
RAC0022	Rail drive plate
RAC0021	Cylinder guide carriage
RAC0031A	Bare surface cylinder assembly
59119H	VV hydraulic finger axis / slider

CKI

SCRAPER PARTS HYDRAULIC





HYDRAULIC OIL UNIT

72342	Outside return filter cartridge Ht 87
72344	Outside return filter cartridge Ht 132
SPE0524	Aron pressure relief cartridge
RAC0088	Suction nipple for hydraulic power unit
72398	Oil level safety device
72394	Double clamp D20
72306	Central pump 2.2 kW + Strainer 16 l/mn
72304	Central pump 4 kW + 30 l/mn strainer
59935	Complete hydraulic power pack coupling
72302	Motor for power pack 2.2 kW
72300	Motor for 4 kW power unit
72318	Power unit pressure gauge
SPE0989	Gasket between tank and power unit cover
72292	Cylinder gasket kit 60 x 40
72293	Cylinder gasket kit 90 x 40



CETOP 5 Tandem
59011H - 59011I



CETOP 5
59011C



CETOP 3
72395



Auto inverter
72332

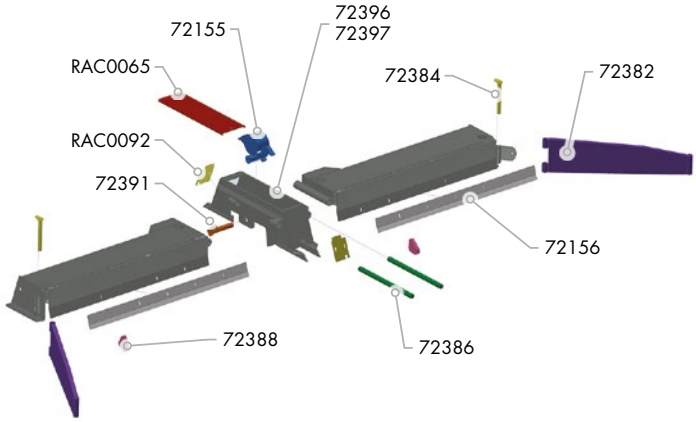
ELECTRICAL CONTROL UNIT WITH PLC

59011H	Simultaneous function hydraulic valve 1
59011I	Simultaneous function hydraulic valve 2
59011C	Cetop 5 central extension valve
72402	220V Cetop 5 coil + connector
SPE0681	Connector for Cetop 3 and Cetop 5 coils
ELE0034	Solenoid valve relay 220V control panel
RAC0094	Central hydraulic pressure switch + elbow
59395A	Inductive limit switch cabinet with PLC
ELE0079	630mA 5x20 timed fuse for Cetop5 coil

ELECTRICAL CONTROL UNIT WITHOUT PLC

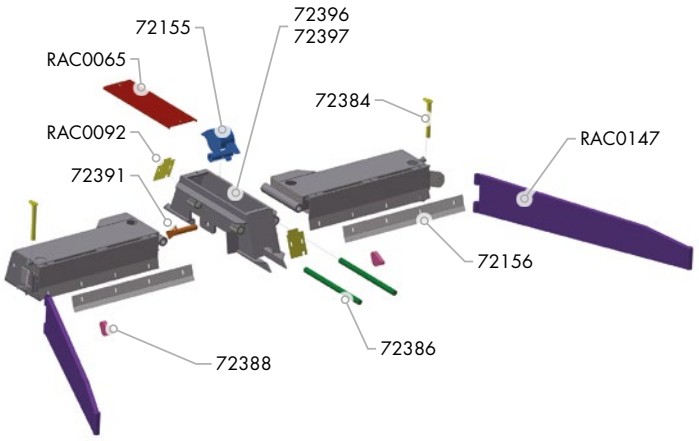
72332	Automatic reversing valve for hydraulic power unit
72395	Bare solenoid valve
72400	24V Cetop 3 D19 coil + connector
72401	220V coil Cetop 3 D19 + connector
72403	220V coil Cetop 3 D21 + connector
72404	Cetop 3 D21 24V coil + connector
SPE0681	Connector for Cetop 3 and Cetop 5 coil
ELE0066	Relay finder 24V AC 16A for cabinet 59385A
ELE0068	Relay 24V AC 7A for s59385A cabinet
59397A	Inductive limit switch for cabinet without PLC

STRAIGHT SCRAPER PARTS
HYDRAULIC SLOT 4 X 7



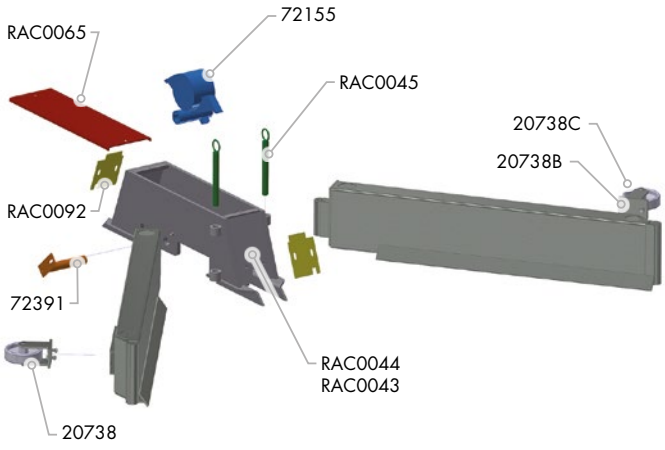
72396	Straight scraper cart U80 + plate + stop
72397	Straight scraper cart U100 + plate + stop
SPE0226	Set of 4 angle irons, thickness 10, for cent carriage 2 straight + 2 left (to be welded)
RAC0065	Hydraulic scraper central carriage cover
72155	Heavy-duty tipper + grease nipple ref.20074 included
72391	Tipper axle
RAC0092	Front and rear carriage closing plate
72386	Arm articulation axle
72156	Straight scraper wear blade - per metre
14005	Screw 10 x 30 H
RON0007	Washer 10 x 22 x 2
14051	Nut M10
72388	Shutter lifting cam
72384	HT 250 end shutter hinge pin
72382	End shutter lg 1m truncated HT 250
VIS0043	Screw 16 x 80 Shutter end stop
ECR0008	Nut M16

U SCRAPER PARTS
HYDRAULIC SLOT 4 X 7



72396	Straight scraper cart U80 + plate + stop
72397	Straight scraper cart U100 + plate + stop
SPE0226	Set of 4 angle irons, thickness 10, for cent carriage 2 straight + 2 left (to be welded)
RAC0065	Central carriage cover hydraulic scraper
72155	Heavy duty tipper + grease nipple ref.20074 included
72391	Tipper axle
RAC0092	Front and rear carriage closing plate
72386	Arm articulation axle
72156	Straight scraper wear blade - per metre
14005	Screw 10 x 30 H
RON0007	Washer 10 x 22 x 2
14051	Nut M10
72388	Shutter lifting cam
72384	Shutter hinge pin HT 250
RAC0147	Heavy shutter lg 1.5m truncated HT 250
VIS0043	Screw 16 x 80 Shutter end stop
ECR0008	Nut M16

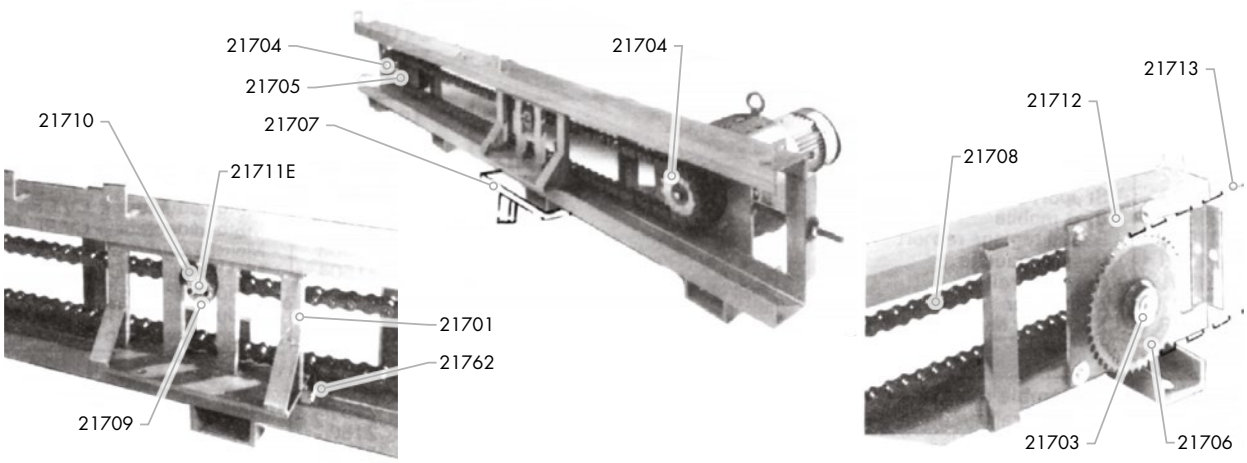
V SCRAPER PARTS
HYDRAULIC SLOT 4 X 7



RAC0044	Mounted V U80 central scraper carriage
RAC0043	Mounted V U100 central scraper carriage
SPE0226	Set of 4 angle irons, thickness 10, for cent carriage 2 straight + 2 left (to be welded)
RAC0065	Central carriage cover hydraulic scraper
72155	Heavy duty tipper + grease nipple ref.20074 included
72391	Tipper axle
RAC0092	Front and rear closing plate
14005	Screw 10 x 30 H
14051	Nut M10
RAC0045	Axle D25 Lg 225 V-shaped hydraulic scraper
20738	Polyamide wheel for scraper
20738B	Polyamide wheel support
20738C	Polyamide wheel Ø150 x 40
20738D	Spacer Ø21 lg 61 for wheel
14013	Screw 12 x 90 H
14054	Nut M12 Brake

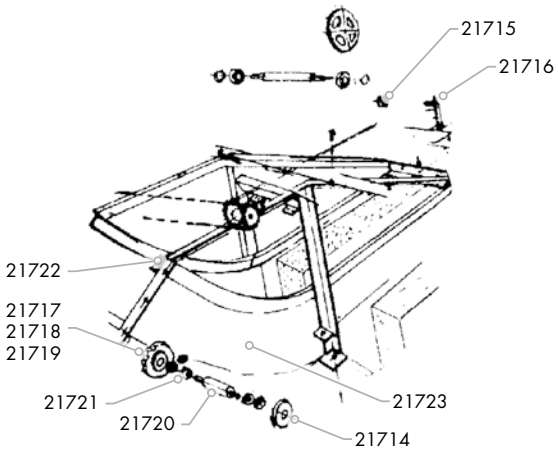
EVACUATOR PARTS BACK AND FORTH

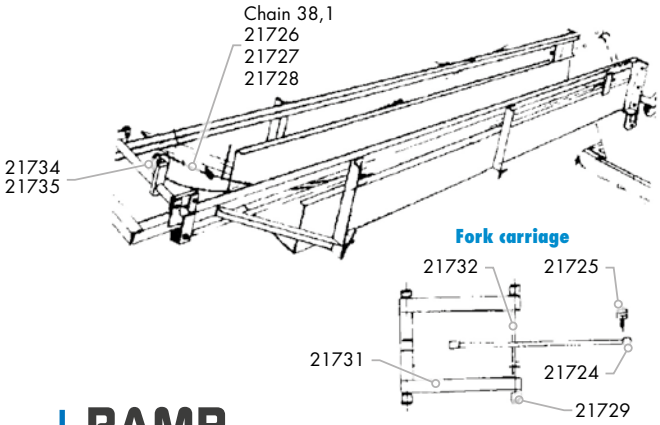




DRIVE CARRIAGE

21350	Geared motor	
21701	Slide + Pads	17,5 kg
21762	Glides VV CK LG 114 (4 required)	
21703	Countershaft - L = 17 - Ø40	1,7 kg
21704	13-tooth pinion	2 kg
21705	Frame bearing	0,5 kg
21706	Wheel 45 teeth - Ø40 - ext Ø280	5,3 kg
21707	Drive carriage	4,8 kg
21708	Chain 31.75 - 130 links	15,3 kg
21709	Drive wheel complete	1,7 kg
21710	INA ring (2 required)	0,2 kg
21711E	Drive wheel axle + nut (pair)	0,15 kg
21712	Countershaft support plate	8,5 kg



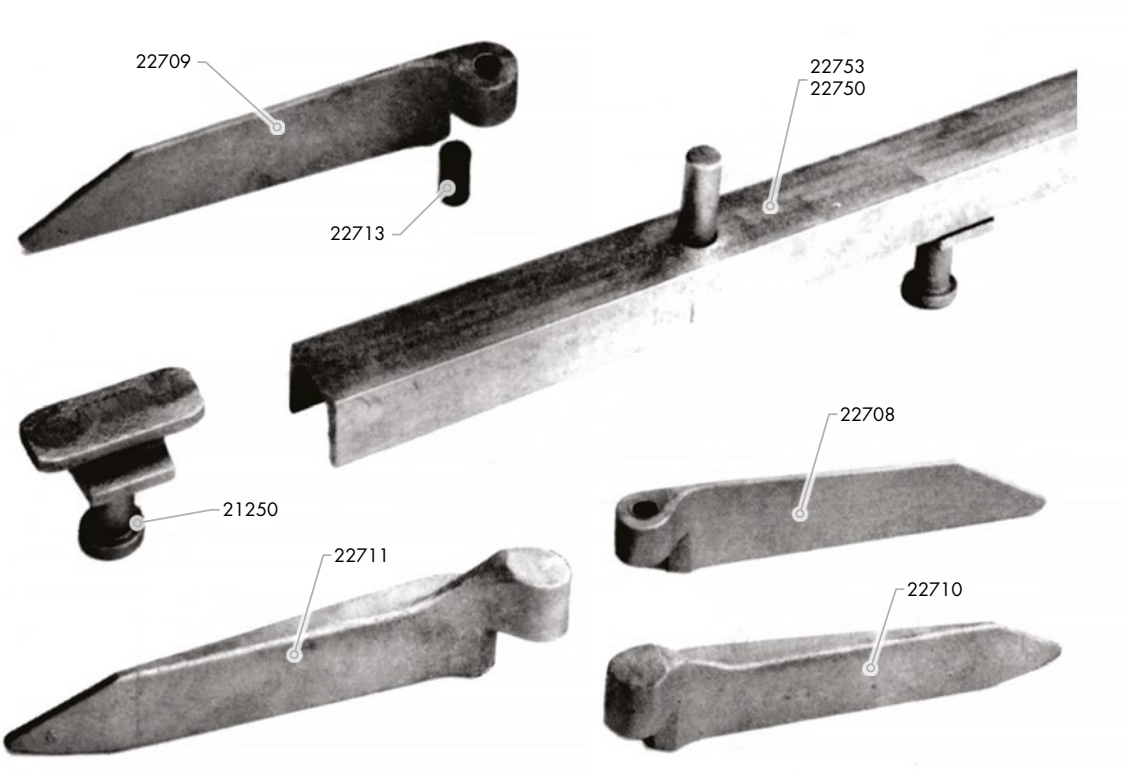


RAMP STARTER

21713	Chain 19.05 - 132 links
21714	Sprocket 25 teeth 19.05
21715	Tensionning pulley
21716	Tensionning support
21717	Wheel 14 teeth 38.10 - 3.5 m ramp
21718	18-tooth wheel 38.10 - 4.5 m ramp
21719	Wheel 22 teeth 38.10 - 6 m ramp
21720	Low ramp shaft
21721	Low ramp shaft bearing
21722	Low ramp shaft support
21723	Ramp starter frame

RAMP

21724	Connecting rod
21725	Connecting rod chain fastener
21726	Chain 38.10 - 251 links - 3.5 m ramp
21727	Chain 38.10 - 323 links - 4.5 m ramp
21728	Chain 38.10 - 395 links - 6 m ramp
21729	Fork wheel - h = 40 - Øext 52 - Øint 20
21730	Fork
21731	Fork carriage
21732	Fork axle
21228P	Tensioner sprocket support
21734	Tensioner pinion 10 teeth - Ø55
21735	Tensioner pinion bearing
21740	Link connection 38°/10
21223	Connecting link pin



BACK AND FORTH EVACUATORS ALL BRANDS

22601	CKI headrail 5.54 m with axle every m, 50 x 38	
22753	6 m track with axle every m, 50 x 38	
22750	5.60 m track with spindle every 0.8 m, 50 x 38	
22754	6 m track without axle	34 kg
22708	Squeegee, straight 45, ringed	3 kg
22709	Squeegee left 45 ringed	3 kg
22710	Squeegee straight 50 ringed	4 kg
22711	Squeegee left 50 ringed	4 kg
21250	Guide cleat	0,5 kg
22713	Squeegee ring, 20 inside, 25 outside, lg 45	0,01 kg
22714	Welding pin Ø20	0,1 kg

ADAPTABLE PARTS FOR "CURETABLE" EVACUATORS



26023
26001
26007
26004



26008



26006

14 X 50 CHAIN EQUIPPED WITH SQUEEGEES

26023	Chain 14x50 with 6 cm paddles for 40 cm wide channels	7 kg
26001	Chain 14x50 with 6 cm paddles for 45 cm wide channels	7 kg
26007	Chain 14x50 with 6 cm paddles for 50 cm wide channels	7 kg
26004	Chain 14x50 with 6 cm paddlesfor non-standard	

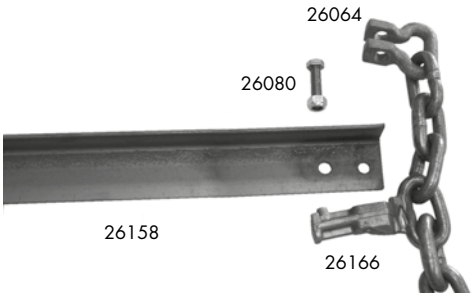
Remember to specify direction of ascent

26008	14 x 50 chain with welded-on pads without scrapers or bolts	5 kg
26006	14 x 50 chain with connecting links	4 kg



SPROCKET WHEEL & HUBS

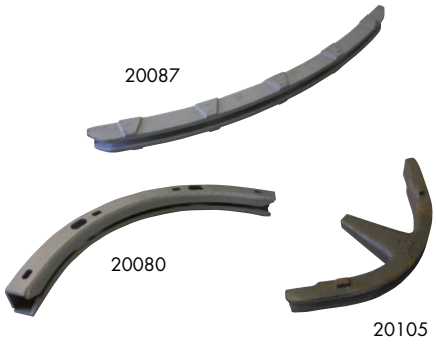
27112	CKI1 sprocket wheel
27116	CKI2 sprocket wheel
27122	CKI3 sprocket wheel
27126	CKI4 sprocket wheel
27144	Non-welded splined hub



26064
26080
26158
26166

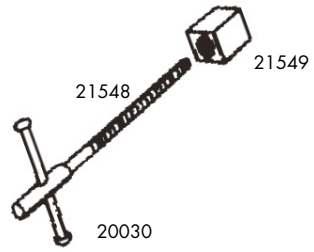
SCRAPER, HEEL, BOLT & CONNECTING LINK

26152	6 cm paddle for channel 40 - lg 31 cm wide	1,2 kg
26158	6 cm paddle for channel 45 - lg 36 cm wide	1,3 kg
26164	6 cm paddle for channel 50 - lg 41 cm wide	1,6 kg
26166	Pad to weld for 6cm paddle	0,4 kg
26080	Bolt - 12 x 45	0,06 kg
26064	Link connection 14 x 50	0,5 kg



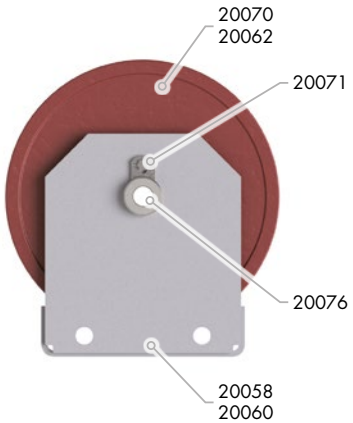
CHAIN GUIDES

20087	CKI ramp start	7,5 kg
20080	CKI internal slide	18 kg
20105	Friction angle CKI	5,2 kg



TENSION

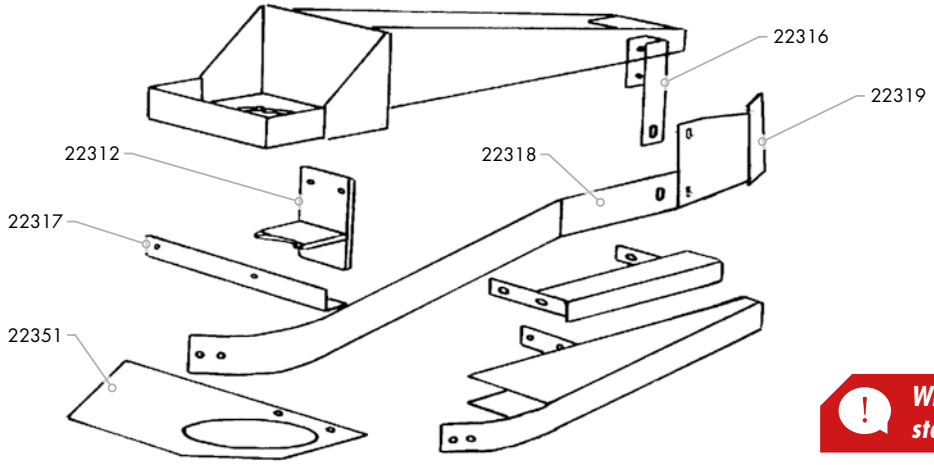
21548	Zinc-plated tension screw	2,4 kg
20030	End of tension tube	
21549	Welded tension nut	0,75 kg
21549P	Tension nut on plate lg 210 zinc-plated	2,2 kg



PULLEY, AXLE & SUPPORT

20070	Ø180 bare pulley - steel	7,5 kg
20062	Ø350 bare pulley - cast iron	14,2 kg
20070B	Factory-banded pulley Ø180 - steel	7,7 kg
20062B	Factory-banded pulley Ø350 - cast iron	14 kg
20082	Metal ring for marine chain pulley to be glued on pulley	
20076	Ø50 axle	1 kg
20071	Plate to stop continuous Z pulley shaft	
20072	45° hydraulic grease nipple	
20056	Complete pulley Ø180	12 kg
20052	Complete pulley Ø350	24 kg
20078	Ring Ø45 ext. 55 - While stocks last	24 kg
20058	Support Ø350	8,4 kg
20060	Support Ø180	3,2 kg

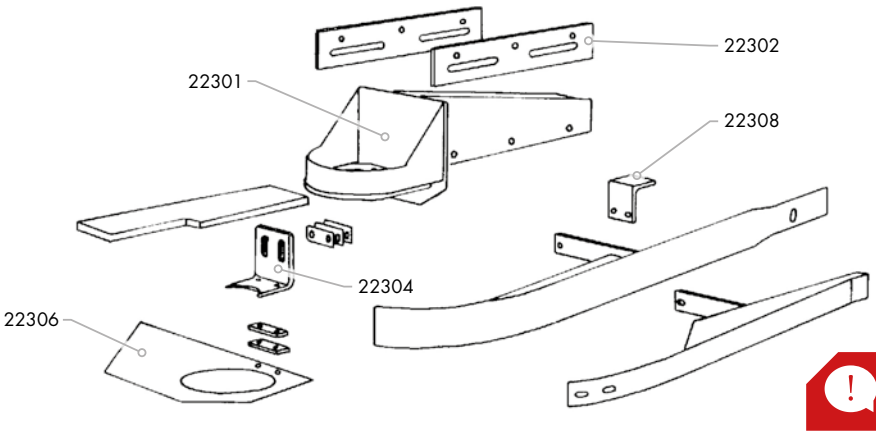
ADAPTABLE PARTS FOR "CURETABLE" EVACUATORS



While stocks last of stock

STATIONARY CLEANER 300 MM STROKE (FROM 1976)

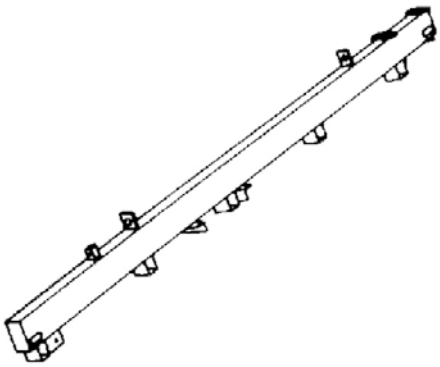
22312	Degreasing finger (while stocks last)	2,5 kg
22313	Guide plate/nut mounting angle (while stocks last)	0,5 kg
22316	Upper cleaner support (while stocks last)	1,2 kg
22317	Upper cleaner adjustment bracket (while stocks last)	2 kg
22318	Top cleaner (while stocks last)	13 kg
22319	Deflector (while stocks last)	2 kg
22351	Guide plate C0300	



While stocks last of stock

FIXED CLEANER 150 MM STROKE (BEFORE 1976)

22302	Gear motor support rail, single (while stocks last)	3,6 kg
22304	Screening finger (while stocks last)	1,8 kg
22306	Guide plate / nut (while stocks last)	3,5 kg
22308	Upper cleaner adjustment angle (while stocks last)	0,8 kg



Use a CKI wooden floor

GALVANIZED BEAM 150 MM TRAVEL

While stocks last.

22402	Galvanized beam, 150 mm travel - 3 m (while stocks last)
22404	Galvanized beam, 150 mm travel - 5 m (while stocks last)

GALVANIZED BEAM + FLOOR 150 MM TRAVEL

While stocks last.

22502	Galvanized beam + floor: stroke 150 mm 3 m, without foot (while stocks last)
22504	Galvanized beam + floor: stroke 150 mm 5 m, without foot (while stocks last)

CKI ADVICE

Beam head and tension screw :

Be sure to collect all the head elements of the old beam and the tensioning screw. If you need new parts, see pages 66-67.

ADAPTABLE PARTS FOR "ALFA-LAVAL" EVACUATORS



26023
26001
26007
26004

14 X 50 CHAIN

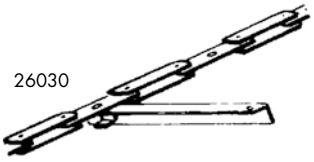
26023	Chain 14x50 with 6 cm paddles for 40 cm wide channels	7 kg
26001	Chain 14x50 with 6 cm paddles for 45 cm wide channels	7 kg
26007	Chain 14x50 with 6 cm paddles for 50 cm wide channels	7 kg
26004	Chain 14x50 with 6 cm paddlesfor non-standard	

! Remember to specify direction of ascent



NUTS & HUBS

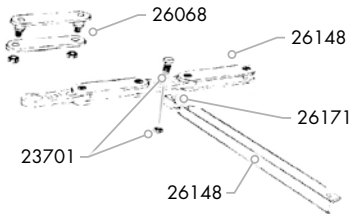
27010	CK1 steel knuckles - Ø55 non-welded hub
27026	CK2 steel knuckle - Ø55 non-welded hub
27040	CK3 steel knuckle - Ø55 non-welded hub
27056	CK4 steel knuckle - Ø55 non-welded hub



26030



26046

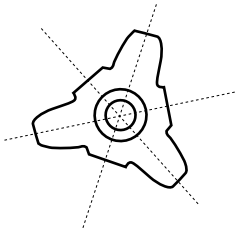


SQUARE CHAIN MI115

26030	MI115 square chain with paddles 5 cm for channel 45
26026	MI115 square chain with 5 cm paddles Non-standard

! Remember to specify direction of ascent

26046	MI115 chain, per m
26148	Paddles 5 cm Channel 45
26144	Paddles 5 cm Non-standard
26171	Pad 5 cm
23701	Bolt 5 cm
26068	Link connection complete

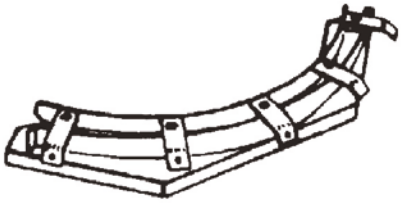


SPROCKET WHEEL

27092	Gear MI115 - Hub Ø55 - non-welded Lg 70

Parts only for MI 115 square chain





INNER SLIDE
NEW "RONDOMAT" MODEL

23801A	Rondomat" inner zipper sealing part new	24 kg
23802	Rondomat" inner slide wear guide new	12,5 kg



RAMP START
OLD "RONDOMAT" MODEL

23804	Old "Rondomat" handrail - straight	7,25 kg
23802	Old "Rondomat" ramp - left	7,25 kg



PULLEY
NEW "RONDOMAT" MODEL

23810	Ø320 bare pulley	13,5 kg
23810B	Ø320 factory-banded pulley	13,7 kg
23811	Shaft Ø40	1,2 kg
20074	Straight nose grease nipple 6P11	
20547	Metal ring to stick on pulley	
23813	Rondomat" pulley new model complete	25,5 kg
23814	Pulley support	10,6 kg

ADAPTABLE PARTS FOR "SOVEMAG" EVACUATORS





26023
26001
26007
26004

26006

14 X 50 CHAIN

26023	Chain 14x50 with 6 cm paddles for 40 cm wide channels	7 kg
26001	Chain 14x50 with 6 cm paddles for 45 cm wide channels	7 kg
26007	Chain 14x50 with 6 cm paddles for 50 cm wide channels	7 kg
26004	Chain 14x50 with 6 cm paddlesfor non-standard	

Remember to specify direction of ascent

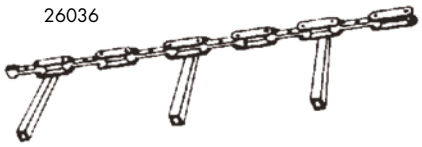
26006	Chain 14 x 50 bare with connecting links	4 kg



NUTS & HUBS

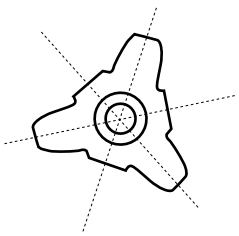
27010	CK1 steel nut - Non-welded Ø55 hub
27026	CK2 steel nut - Non-welded Ø55 hub
27040	CK3 steel nut - Non-welded Ø55 hub
27056	CK4 steel nut - Non-welded Ø55 hub

26036



MI115 SQUARE CHAIN

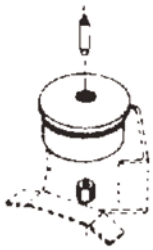
26036	MI115 square chain with paddles 4 cm for channel 40
26038	MI115 square chain equipped with 4 cm paddles Non-standard



SPROCKET WHEEL

Other models: please contact us

27092	Star MI115 - Hub Ø55 - non-welded Lg 70 (while stocks last)



SQUARE CHAIN PULLEY

23406	Complete Ø 340 pulley	39 kg
23407	Ø 340 pulley	26 kg

ADAPTABLE PARTS FOR "SAMAS" EVACUATORS





26023
26001
26007
26004

14 X 50 CHAIN

26023	Chain 14x50 with 6 cm paddles for 40 cm wide channels	7 kg
26001	Chain 14x50 with 6 cm paddles for 45 cm wide channels	7 kg
26007	Chain 14x50 with 6 cm paddles for 50 cm wide channels	7 kg
26004	Chain 14x50 with 6 cm paddlesfor non-standard	

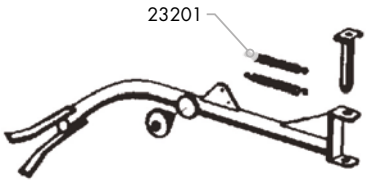
Remember to specify direction of ascent

26048	Chain 14 x 50 equipped Scrapers 4.5 cm for channel 45 (while stocks last)	



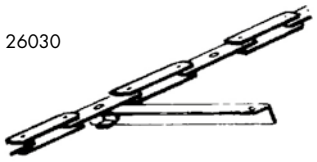
NUTS & HUBS

27010	CK1 steel nut - Non-welded Ø55 hub	
27026	CK2 steel nut - Non-welded Ø55 hub	
27040	CK3 steel nut - Non-welded Ø55 hub	
27056	CK4 steel nut - Non-welded Ø55 hub	



SCRAPER SPRING

23201	SAMAS type scraper spring	0,16 kg



26030



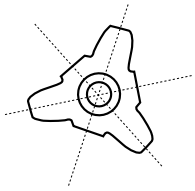
26022

SQUARE CHAIN MI108

26016	MI108 square chain with paddles 4 cm for channel 45	
26012	MI108 square chain with 4 cm paddles Non-standard	

Remember to specify direction of ascent

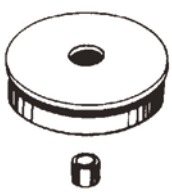
26022	MI108 chain, bare, per m	



27078

SPROCKET WHEEL

27078	Gear MI108 - Ø55 hub, non-welded	5,3 kg



23108

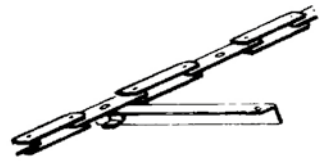
23109

PULLEY SQUARE CHAIN

23108	Ø 310 bare pulley	25 kg
23109	Plastic ring Ø60	0,05 kg

ADAPTABLE PARTS FOR "SOVEMAG" EVACUATORS





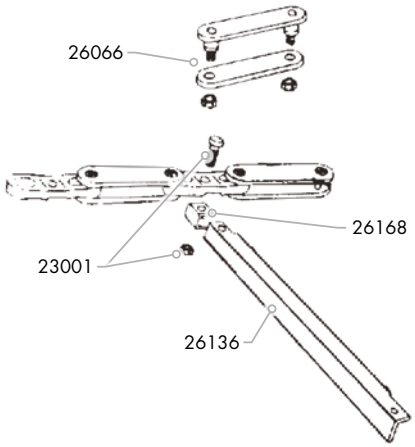


SQUARE CHAIN MI108

26016	MI108 square chain with paddles 4 cm for channel 45
26012	MI108 square chain with 4 cm paddles - non-standard

Remember to specify direction of ascent

26020	MI108 square chain with scrapers 6 cm for channel 50 (while stocks last)
26022	MI108 square chain - bare

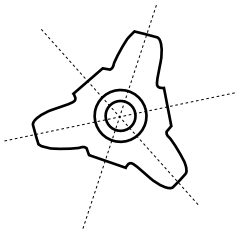


MI108 GALVA SQUARE CHAIN

26010	MI108 square galvanized chain with 4 cm scrapers for 45" channel
26014	MI108 square galvanized chain with 4 cm scrapers - non-standard

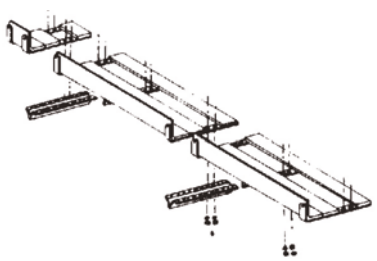
Remember to specify direction of ascent

26136	Paddles 4 cm - channel 45 - lg 420
26142	Paddles 4 cm - non-standard channel
26162	Paddles 6 cm - channel 50 (while stocks last)
26168	Wear pad 4 cm
26173	Wear pad 6 cm - Ø14 (while stocks last)
23001	Special bolt
26066	Connecting link



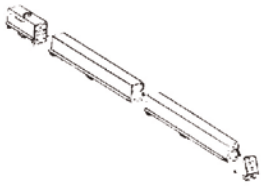
SPROCKET WHEEL

27078	Gear MI108 - Ø55 hub, non-welded



FLOOR

23138	Floor element 0.5 m
23139	Floor element 2 m
23140	Floor element 3 m
23141	Galvanized double crossbar bracket for floor (for each connection)



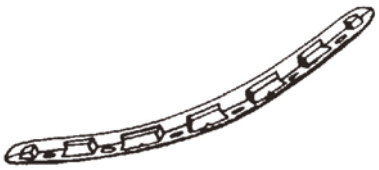
GALVANISED BEAM

23142	Bare evacuator beam type 108 - 1 m element (without geared motor support or tension frame)	24 kg
23143	Bare evacuator beam type 108 - 2 m element	12,5 kg
23144	Bare evacuator beam type 108 - 3 m element	
23145	Bottom beam attachment	



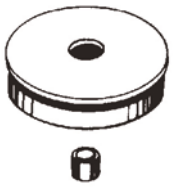
RAMP START

23104	Ramp start	12,5 kg



INNER SLIDE

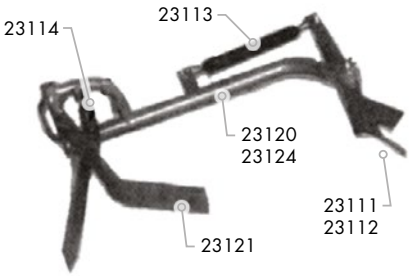
23105	Complete 'Miro' inner slide	
23106	90° wear guide	9,3 kg
23107	90° sealing part	24,7 kg



PULLEY

23450	Ø320 pulley support, 90°, to be embedded	
23451	Ø320 pulley support cover	
23452	Ø320 pulley complete to seal	37,5 kg
23108	Ø320 bare pulley	17,5 kg
23109	Plastic ring Ø60	0,08 kg
23110	Shaft Ø50	1,6 kg
20074	Grease nipple 6p11 hydraulic type	
23115	Pulley Ø225	11 kg
23408	Shaft Ø30	0,8 kg
23409	Ring Ø40	0,05 kg

Straight up



CLEANER

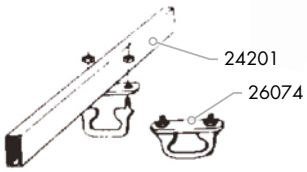
23122	Complete straight-hand cleaner	9,5 kg
23123	Complete left-hand cleaner	9,5 kg
23121	Support (L or R)	4 kg
23120	Straight arm	2,5 kg
23124	Left arm	2,5 kg
23111	Straight scraper	1,9 kg
23112	Left scraper	1,9 kg
23113	Long spring	0,5 kg
23114	Short spring	0,2 kg

ADAPTABLE PARTS FOR "ALBERT" EVACUATORS









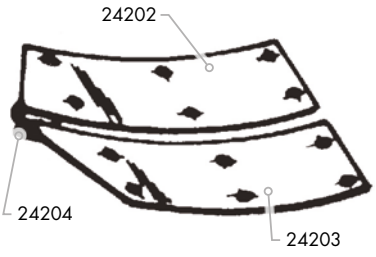
MARINE CHAIN 12 X 36

26040	12 x 36 chain	
26041	12 x 36 chain with stirrup connectors	
24201	Paddles with connecting bracket	
26074	Paddles without squeegee	
24335	Paddles	



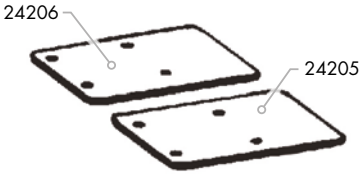
NUTS & HUBS

27102	CKI 1 nuts Ø44	4,5 kg
27106	CKI 2 nuts Ø44	5,4 kg
27110	CKI 3 nut Ø44	5,9 kg
27101	CKI 1 nut Ø45 (hydraulic head)	
27104	CKI 2 nut Ø45 (hydraulic head)	
27108	CKI 3 nut Ø45 (hydraulic head)	



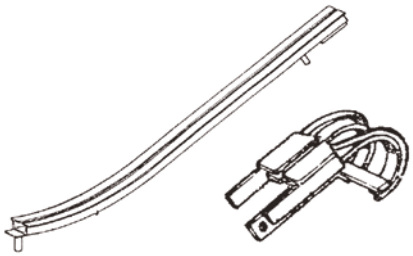
RAMP START SLIDE

24202	Mobile left	3,7 kg
24203	Mobile straight	3,7 kg
24204	Guide (set of 2)	0,7 kg
14030	Screws 10 x 20 stainless steel TF hexagon socket	
24208	Plates 2 nuts	

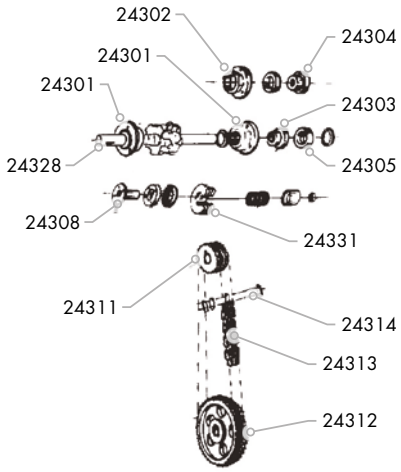


START RAMP

24205	Albert fixed left hand rail	3,2 kg
24206	Albert fixed straight hand rail	3,2 kg

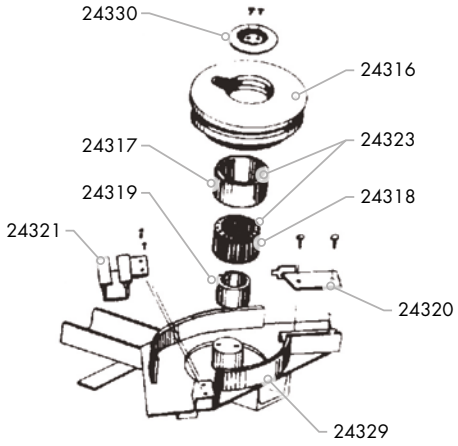


24209	Albert chain runner	11,5 kg
24207	Reversing head	5 kg



RAMP START

24301	Bearing 11208 NM	
24303	Bearing 11208 NM	
24304	Bearing 238208 AM	
24305	Ring 11208	
24306	Felt (2 per bearing) each	
24308	Sleeve	
24309	Safety spring	
24310	Stop spring	
24311	Sprocket 15 teeth	
24312	34-tooth sprocket	
24313	78 link chain	
24314	Connecting link	
24315	Nut scraper	
24328	Nut shaft Ø44	
24332	Nut shaft Ø45	
24331	2-groove pulley	



PULLEY 12 X 36

24316	12x36 pulley	5,1 kg
20074	Grease nipple 6p11 hydraulic type	
24317	Outer ring	0,9 kg
24318	Bearing	0,6 kg
24319	Inner ring	0,4 kg
24320	Scraper	0,4 kg
24321	Chain guide	1,5 kg
24322	Complete pulley	
24323	Teflon ring (replaces 24317 and 24318)	0,3 kg
24330	Pulley cover	0,4 kg
24329	Pulley support	10 kg



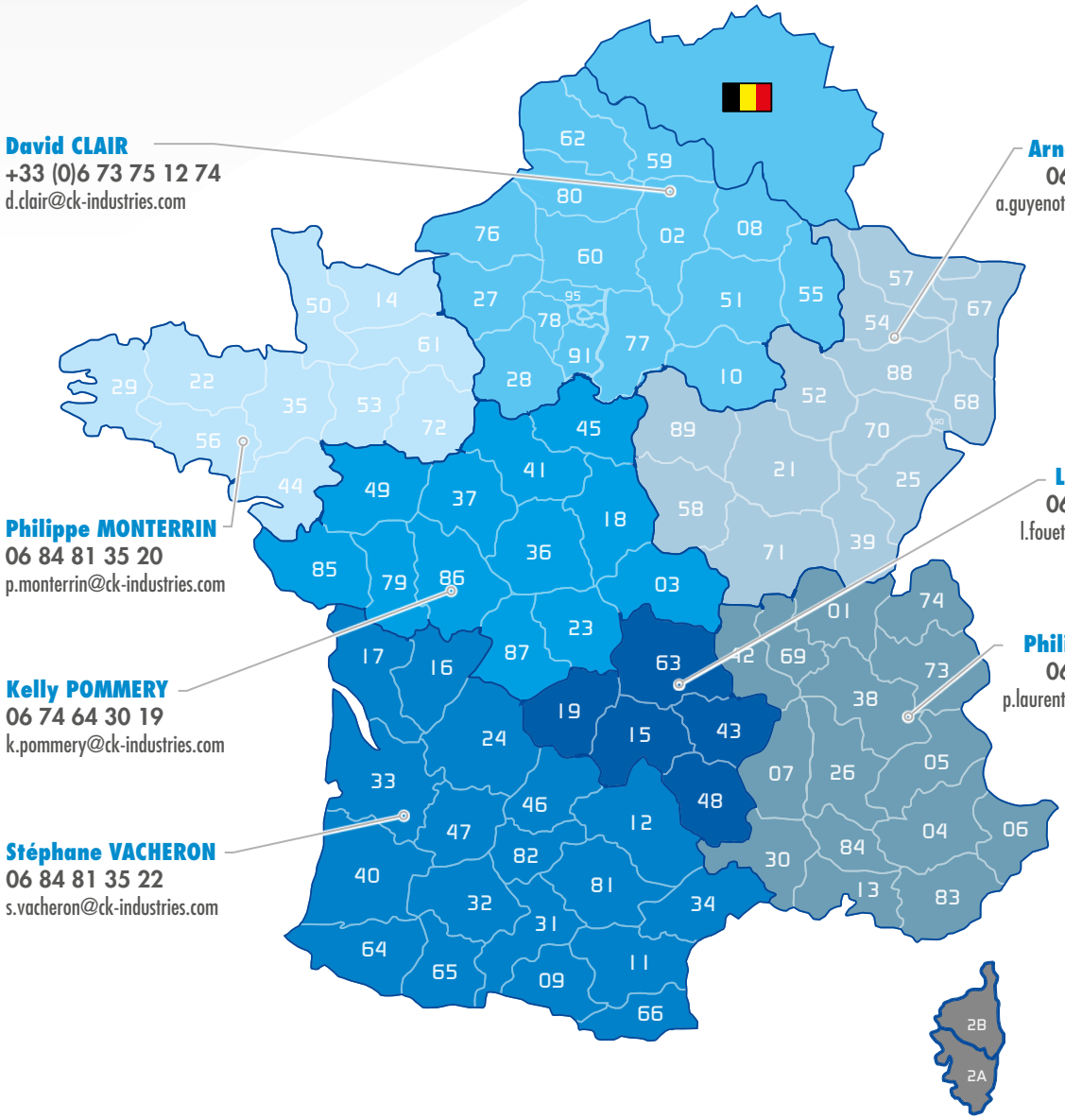
MISCELLANEOUS

24324	Left front panel	1 kg
24325	Front straight sheet	1 kg

Your contacts In the field

To order :
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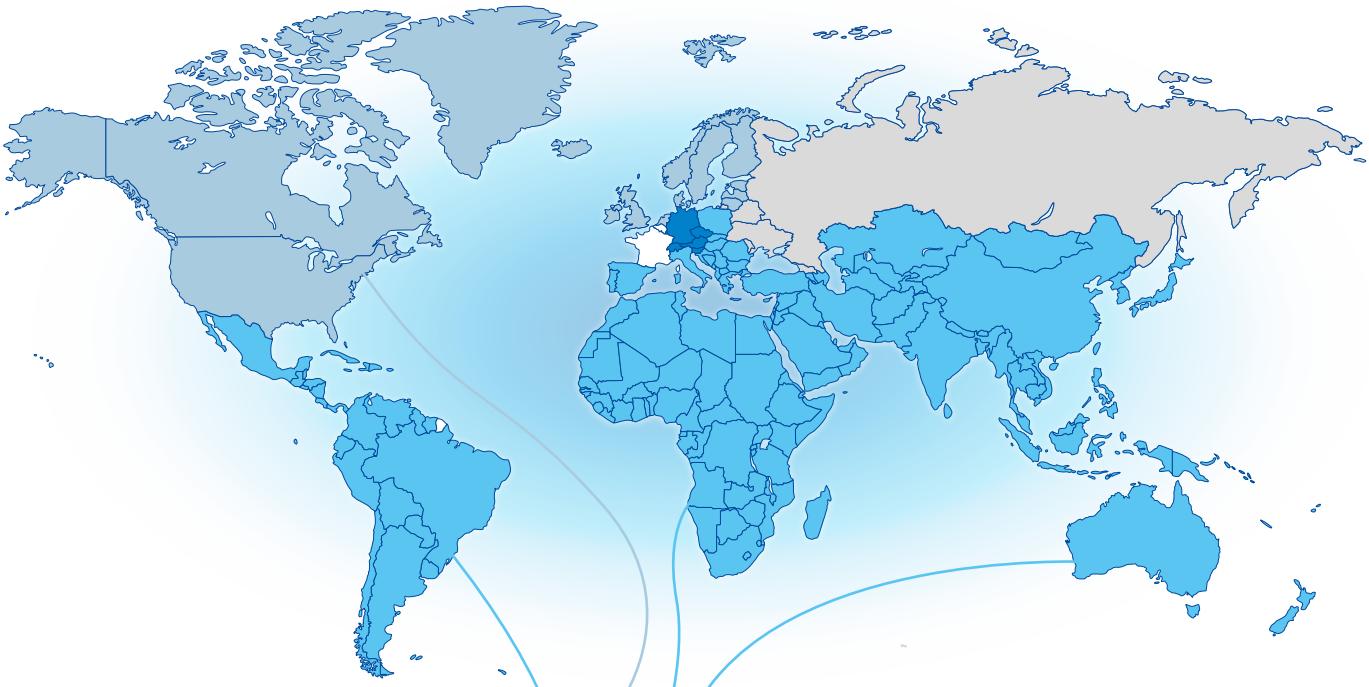
The guarantee of successful breeding

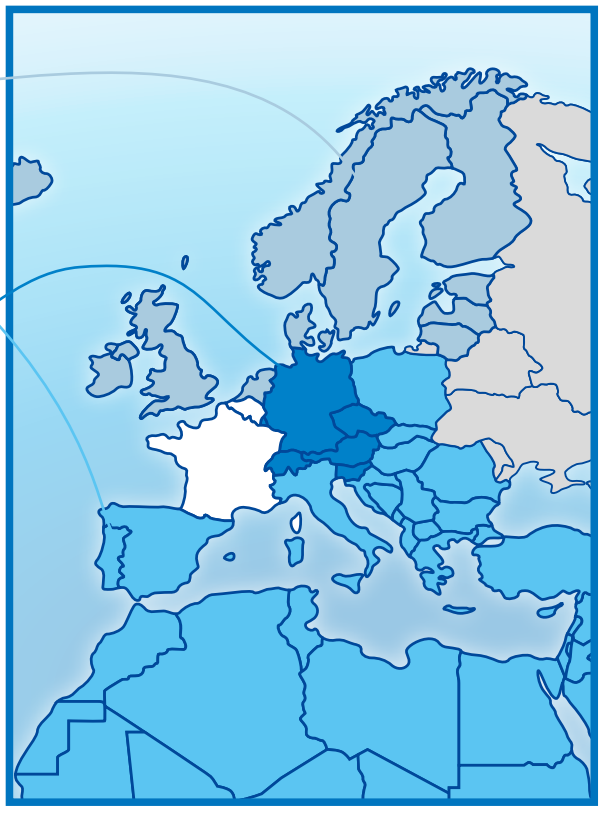
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CK INDUSTRIES

CK-INDUSTRIES In the SOFILAB Group

COMPLEMENTARY SKILLS FOR BREEDING

CK-INDUSTRIES is part of the French industrial group SOFILAB. An international group with complementary expertise, resolutely focused on innovation and quality for the success of breeders and the well-being of animals.

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LA BUVETTE
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LA BUVETTE has been designing and manufacturing watering systems and other breeding materials such as wheelbarrows and calf hutches for more than 115 years.
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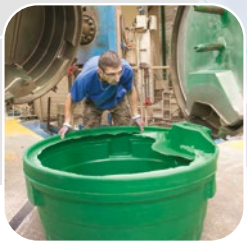
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CK INDUSTRIES



As a major player in tubular constructions, CK INDUSTRIES is known for its feed fences and calf boxes as well as its scrapers and other slurry drainage systems.
42130 MARCOUX
ck-industries.com



MAZERON
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MAZERON, manufacturer of farm machinery since 1978, offers a large range of livestock and feed trailers and also manufactures breeding material for cattle and sheep
89200 MAGNY / mazeron-sas.com

Ask for our Tubular Material Catalogue



PDF Catalogue
Tubular Material

www.ck-industries.com/catalogues

For over 40 years

CK-Industries designs, manufactures and markets a wide range of tubular products for cattle, sheep and goat farms from its Marcoux site in the Loire region of France.

CK-Industries transforms and ships over 2,000 kilometres of tubing a year, and already equips several million animals in France and Europe.

You can find the full range of tubular products in the dedicated CK-Industries catalogue.

IMPRIMÉ EN FRANCE
AU CŒUR DE NOS RÉGIONS

Catalogue printed in France by Imprimatur - 87280 Limoges

As part of our ongoing efforts to improve our products, we are always attentive to feedback from users of our products. Our products are therefore subject to change without notice. Their characteristics are given as an indication subject to typographical errors and the visuals are not contractual.

CK INDUSTRIES

The guarantee of successful breeding



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