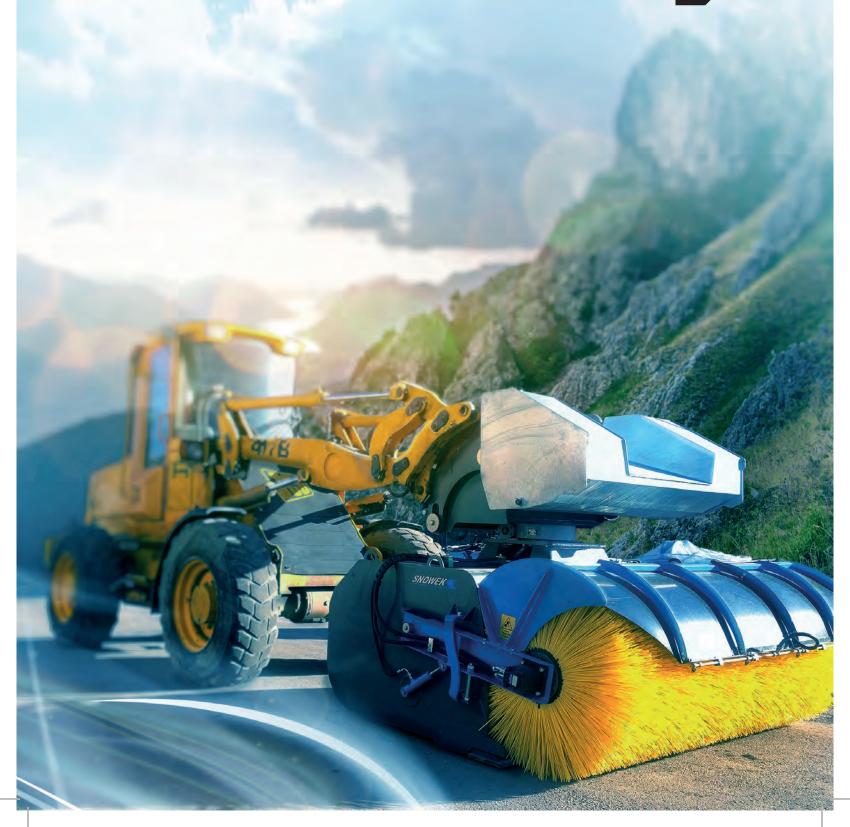
SNOWEK

HIGH END SWEEPER ATTACHMENTS





SNOWEK

2011

Snowek Oy is founded and launches wide U-plough and V-plough portfolios to the market.

2013

Snowek wins the Maintenance Innovator of the Year award in Finland with the sweepers' high pressure dust suppression technology.

2015

Snowek launches 360 degrees rotating Circulus sweepers.

2017

Snowek continues to develop market-leading efficiency and environment friendliness into professional road and area maintenance equipment.

2012

2014

2016

Snowek launches a broad sweep-Snowek introduces AA-diagonal snow Snowek Circulus gains significant market in the er portfolio with modern collecting plows with a patent-pending collission professional sweeping contracting. Snowek avoidance mechanism. Snowek starts introduces adjustable shock absorbers for sweepers, bucket sweepers, rotary brooms and excavator development of Trombia cleaning rotary brooms. brooms fully designed for the method with the support of the Finnish needs of 2010s. Funding Agency of Innovation (TEKES).

You are reading the new catalogue of Snowek high end sweeper attachments.

WELCOME TO SNOWEK'S WORLD.

Since founding in Finland in 2010, we at Snowek have focused to redesign the old ways of sweeper and snow plow attachment industry. In practice, we have focused on dust control, cleaning result and the efficiency of sweeping operating hours.

We have always highlighted that our advantage is to originate from Finland - the land of snow and high demands for spring cleaning. At our home market snow comes down rapidly every winter demanding superior efficiency from our customers and equipment. These demands have developed our Finnish snow know-how that is well known across the globe.

Another demanding condition, street dust and gritting sand sweeping every spring, has made us to develop sweeper attachments that deliver the fastest and the cleanest results. As the rising street dust has become a serious health concern in the spring time, we have put our innovation forces to meet efficiency standards unseen anywhere in the world. The benefits can be enjoyed around the year in all types of sweeping work.

These efficiency demands have made us what we are: A high efficiency attachment developer helping maintenance contractors already in 4 continents and 15 countries.

Inside this catalogue you'll find the very latest of our products for year-round sweeping maintenance. Please familiarize yourself with for example the powerful rotating Circulus sweepers, our awarded high pressure dust suppression technology or the special-duty sweepers for railroads, trucks and industrial areas.

Last, if you do not find what you need, please get in touch - we want to develop our next innovation together with our clients,

ANTTI NIKKANEN Managing Director Snowek

JAAKKO HAPPONEN Chief Designer Snowek Oy:n perustaja

All the

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SNOWEK CIRCULUS

360° ROTATION BRINGS EFFICIENCY AND SAFETY

Thanks to the unlimited rotation you can sweep with Circulus forward, sideways and backwards with optimal sweeping quality and keep the broom at work non stop.

2 LARGE DUST CONTAINERS

With the bin volume of up to 1800 liters, collecting gritting sand and debris year-round is becomes significantly more efficient with limited number of emptying rounds.

3 EXCELLENT SWEEPING RESULT

Circulus sweepers are equipped with a floating mechanism that makes the device to follow ground contours accurately. Circulus delivers one of the leading cleaning results among hydraulic sweeper attachments.

4 EATS EVERYTHING

Circulus as well as the traditional sweeper buckets are known to be capable to collect large piles of gritting sand and debris in single runs.

5 SWEEPING SIDECURBS WITHOUT A SIDEBRUSH

Contrary to traditional sweeper collectors, Circulus can sweep sidecurbs without additional sidebrushes thanks to the sideways rotation. No additional sidebrushes, no unnecessary moving parts.

6 FAST BRISTLE CHANGES AND EASY TO MAINTAIN

Changing bristles with Circulus sweepers is fast and does not require special tools. In addition wear out parts are bolt-connected and the service points are easy to reach.

7 THE FRONTRUNNER IN DUST CONTROL

Snowek-designed high pressure dust suppression technology is available for all Circulus models. High pressure dust suppression delivers an extreme fine water mist and thus saves water usage significantly. Snowek high pressure dust suppression technology is also researched to decrease rising street dust along sweeping by 52% compared to traditional water sprinkler systems.

Snowek Circulus 360° rotating bucket sweeper brings you the very latest of sweeper efficiency for collecting gritting sand, debris and leaves throughout the year.

Unlimited 360° rotation makes it possible to sweep both forward and reverse as well as sideways along the sidecurbs and tight spots. No additional sidebrushes are needed.

Circulus is recommended for streets, municipalities, seaports, airports, construction sites and industrial areas.

Circulus is available in four models with working widths from 150cm to 220cm.

Circulus is recommended to be mounted with 5-20 ton wheel loaders, agricultural tractors or municipal loaders.





- Flotation and support wheels
- Bolted lip plates on the bottom and the sides of the bucket
- Welded Volvo adapter in C220, standard bolted adapters in C150, C190 and C220M.
- Four hydraulic hoses with $\frac{1}{2}$ " tractor quick couplings

- High pressure dust suppression system with a water tank
- Traditional water injection system with a water tank
- Pressure washer and water hose reel
- Electric valve (Broom can be operated with 2 hydraulic hoses)



SNOWEK K-SERIES:

COLLECTING SWEEPERS

1 THE FRONTRUNNER IN THE DUST CONTROL

Snowek-designed high pressure dust suppression technology is available for all K-series models. High pressure dust suppression delivers an extreme fine water mist and thus saves water usage in dust control significantly. Snowek high pressure dust suppression technology is also researched to decrease rising street dust along sweeping by 52% compared to traditional water sprinkler systems.

2 EXCELLENT CLEANING RESULT

Turning side brushes together with innovative design of dust container ensure the best cleaning results on the market.

3 WIDE SWEEPING WIDTH

When equipped with two sidebrushes the collecting sweepers can reach a working width of up to 3,2 metres.

4 EASE OF USE

The hydraulic systems are designed so that all the functions of the sweeper, including lifting, lowering and stopping side brushes, can be used without leaving the cabin.

5 DURABILITY

The frames of all Snowek sweepers are galvanized, which makes them highly resistant to bumps and scratches, while also providing a good level of rust protection.

6 FAST BRISTLE CHANGES AND EASY MAINTENANCE

Changing bristles with K-series is faster than sweeping operators can imagine and the change does not need specific tools. See it yourself on our Youtube-channel: www.youtube.com/snowektv

1 LOW HYDRAULIC OIL REQUIREMENTS

With a minimum hydraulics output requirement of only 35 l/min, Snowek collecting sweepers can be used even with small base machines.

Snowek K-series collecting sweepers have gained wide popularity thanks to their excellent sweeping result, durability and the widely recognised high pressure dust suppression technology.

Collecting sweepers deliver up to 3,2 meter sweeping width for spring and summer sweeping in streets, municipalities, parking areas and industrial districts.

Snowek K-series is available in three models with working widths from 150cm to 320cm.

K-series is recommended to be mounted with 4-20 ton wheel loaders, agricultural tractors, municipal loaders and skid steers.





- Right sidebrush with hydraulic raise, lowering and stop
- 2 hydraulic hoses with 1/2" hydraulic couplings
- Standard adaptors (Euro, Trima, Kunta500, Vila, Volvo)

- Left sidebrush with hydraulic functions
- High pressure dust suppression technology
- Pressure washer and water hose reel (together with high pressure dust suppression)
- Traditional watering system



SNOWEK H-SERIES:

BUCKET SWEEPERS

1 EXCELLENT CLEANING RESULT

Float mechanism ensures efficient sweeping results also on uneven surfaces.

2 COST EFFICIENCY AS A STANDARD FEATURE

Simple and robust structure together with high collecting capacity makes bucket sweeper an excellent choice for varying areas.

3 EATS EVERYTHING

Snowek H-series are known to be capable to collect large piles of gritting sand and debris in single runs.

4 MORE EFFICIENCY WITH ACCESSORIES

Collecting sweeper can be tailored to meet requirements of every user. For example pressure washer is handy when cleaning bus stops and hydraulic vibrator ensures that dust container empties fast.

5 STANDARDIZED SPARE PARTS

Bucket lip plate lengths are standardized and all parts subject to wear and tear are connected with bolts, which make them very easy to replace.

6 FAST SERVICE

The main sweeper roller features a flexible connection, which makes replacing bristles fast. In addition easily accessible daily service points mean less maintenance time and more time working.

7 LOW HYDRAULIC REQUIREMENTS

With a minimum hydraulics output requirement of only 45 l/min, Snowek bucket sweepers can be used even with small base machines

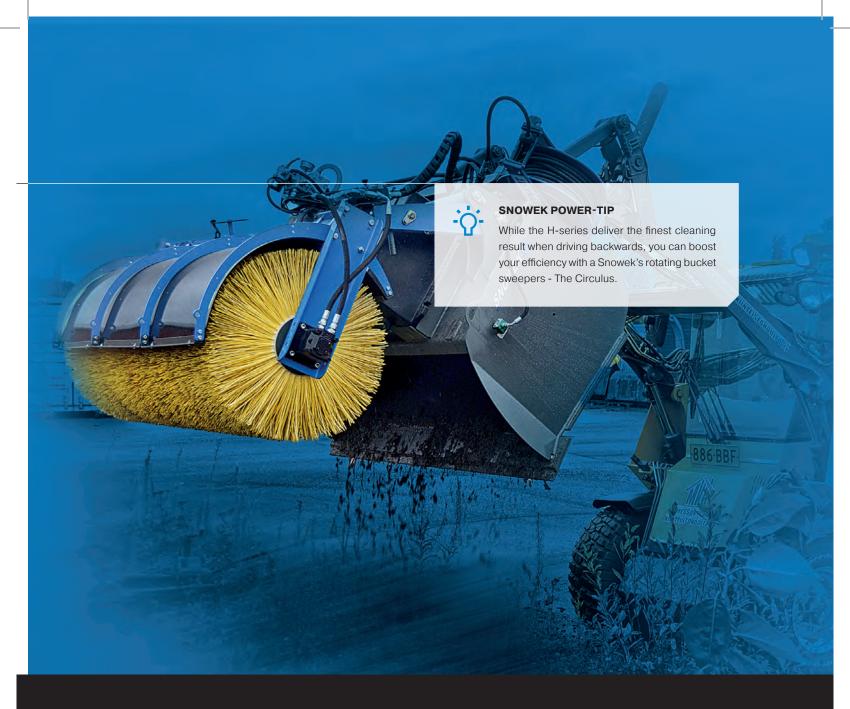
Snowek bucket sweepers are a simple and efficient solution for sand and debris sweeping in industrial sites, harbors, sawmills and asphalt construction sites.

When driving forward bucket sweepers collect efficiently large debris and the cleaning result can be finalised sweeping backwards.

Snowek bucket sweepers are available in four models with working widths of 150cm - 270cm.

H-series are recommended for 3,5 - 25 ton wheel loaders, agricultural tractors, municipal loaders and skid steer loaders.

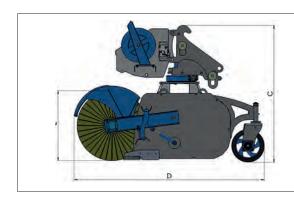


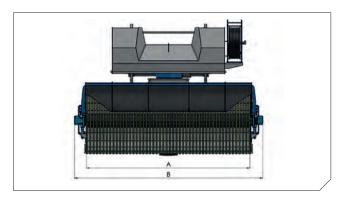


- Floating system in all models
- Standard adaptors (Euro, Trima, Kunta500, Vila, Volvo)
- 4 hydraulic hoses with ½" hydraulic couplings

- High pressure dust suppression technology
- Pressure washer and water hose reel (together with high pressure dust suppression)
- Traditional watering system
- Support wheels
- Sidebrush (mechanical lifting)
- Electric valve (for using the sweeper with only 2 hydraulic hoses)

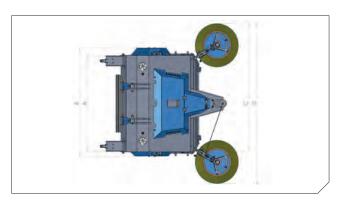




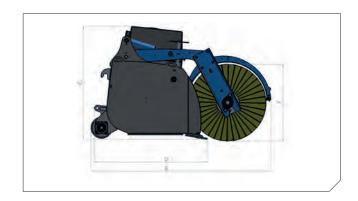


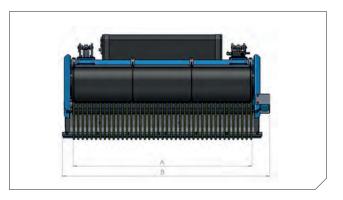
MODEL	CIRCULUS 150	CIRCULUS 190	CIRCULUS 220M	CIRCULUS 220
Working width (cm), A	150	190	220	220
Full width (cm), B	180	216	253	253
Max. height (cm), C	150	150	150	177
Depth (cm), D	207	207	207	245
Bristle diameter (cm)	70	70	70	90
Dust bin volume	450 / 750 l	570 / 950 l	750 / 1 250 l	1100 / 1800 l
Empty weight	800 kg	900 kg	1000 kg	1500 kg
Hydraulic output req., with high pressure dust suppression	55 l/min	55 l/min	55 l/min	55 l/min
Hydraulic output req., without high pressure dust suppression	45 l/min	45 l/min	50 l/min	55 l/min
Hydraulic pressure (min-max)	160-230bar	160-230bar	160-230bar	160-230bar
Brush rotation (max)	250-300 rpm	250-300 rpm	250-300 rpm	250-300 rpm
Water tank volume	250 l	250 l	330 l	330 l
Water consumption (traditional watering)	5-10 l /min	5-10 l /min	5-10 l /min	5-10 l /min
Water consumption (high pressure dust suppression)	3-5 l / min	3-5 l / min	3-5 l / min	3-5 l / min
Machine recommendation (operating weight)	4-7 ton	5 - 8 ton	7 - 13 ton	9 - 16 ton



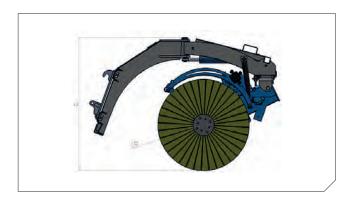


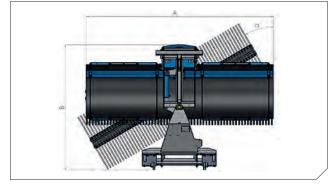
MODEL	K 150	K 180	K 220
Main brush working width (cm), A	150	180	220
Minimum width (cm), B	175	205	260
Working width with one sidebrush (cm), C	200	230	270
Working width with two sidebrushes (cm), D	250	280	320
Height (cm), E	90	90	110
Depth (cm), F	250	260	280
Bristle diameter (cm)	70	70	90
Dust bin volume	170 / 360 l	200 / 420	500 / 1050 l
Empty weight	700 kg	850 kg	1300 kg
Hydraulic output req., with high pressure dust suppression	45 l/min	45 l/min	65l/min
Hydraulic output req., without high pressure dust suppression	35 l/min	35 l/min	55 l/min
Hydraulic pressure (min-max)	160 - 230 bar	160 - 230 bar	160 - 230 bar
Water tank volume	260 l	290 l	330 l
Water consumption (traditional watering)	5-10 l /min	5-10 l /min	5-10 l /min
Water consumption (high pressure dust suppression)	3-5 l / min	3-5 l / min	3-5 l / min
Machine recommendation (operating weight)	4 - 6 ton	6 - 8 ton	9 - 20 ton





MODEL	H 150	H 180	H 220	H 270
Working width (cm), A	150	180	220	270
Full width (cm), B	180	210	250	310
Max. height (cm), C	95	105	125	135
Depth, dust bin (cm), D	100	100	160	170
Depth, sweeper device (cm), D	160	160	215	225
Bristle diameter (cm)	70	70	90	90
Dust bin volume	380 / 650 l	450 / 770 l	730 / 1250 l	970 / 1650 l
Empty weight	480 kg	650 kg	1050 kg	1400 kg
Hydraulic output req., with high pressure dust suppression	55 l/min	55 l/min	65 l/min	65 l/min
Hydraulic output req., without high pressure dust suppression	45 l/min	45 l/min	55 l/min	55 l/min
Hydraulic pressure (min-max)	160 - 230 bar			
Water tank volume	150 l	200 l	200 l	500 l
Water consumption (traditional watering)	5-10 l /min	5-10 l /min	5-10 l /min	5-10 l /min
Water consumption (high pressure dust suppression)	3-5 l / min			
Machine recommendation (operating weight)	3,5 - 5 ton	4 - 7 ton	8 - 12 ton	13 - 25 ton





MODEL	AH 250	AH 280	AH 300	AH 330
Working width (cm), A	250	280	300	330
Depth (cm), B	190	190	190	190
Height (cm), C	130	130	130	130
Bristle diameter (cm)	90	90	90	90
Turning angle	32°	32°	32°	32°
Empty weight	270 l	270 l	270 l	270
Hydraulic output recommendation	570 kg	570 kg	650 kg	680 kg
Hydraulic pressure (min-max)	55 I/min	55 l/min	55 l/min	55 l/min
Brush rotation (max)	160 - 230 bar			
Water tank volume	250-300 rpm	250-300 rpm	250-300 rpm	250-300 rpm
Water consumption (traditional watering)	5-10 l /min	5-10 l /min	5-10 l /min	5-10 l /min
Water consumption (high pressure dust suppression)	3-5 l / min			
Machine recommendation (operating weight)	over 4 ton	over 4 ton	over 4 ton	over 4 ton

SNOWEK AH-SERIES:

ROTARY BROOMS

MIDDLE CHAIN DRIVEN POWER

Snowek AH Series are designed with a chain driven power train. Because no motors are on the sides of the broom the broom can reach close to wallsides, bridge railings and other obstacles. Also thanks to middle-driven functionality, maneuverability is simple and stable.

2 TOP CLASS ADJUSTABLE SHOCK ABSORBERS

We know, how crucial it is to make the broom durable and stable to sweep! All Snowek AH brooms starting spring 2017 are equipped with top quality motorsports-like adjustable shock absorbers.

3 EXCELLENT CLEANING RESULT

Powerful shock absorbers together with +/- 10° horizontal float and 30cm vertical float keep the sweeper steady in all conditions. When the floating is combined with the clever dragging-positioning of the broom, the AH series deliver excellent cleaning result.

4 THE FRONTRUNNER IN DUST CONTROL

Snowek-designed high pressure dust suppression technology is popular also for dust control with the AH-series!

5 INTEGRATED WATER TANK

Rotary brooms can be equipped with an integrated water tank with 270 liter capacity. This water can be sprayed out either by using normal watering system or high pressure dust suppression system.

6 LONG-LASTING BRISTLES THAT ARE ALSO EASY TO CHANGE

Shock absorbers and the geometry of the sweeper ensures that bristles wear out evenly. In addition bristle change takes less than thirty minutes.

7 DURABLE AND LONG-LASTING ATTACHMENT

Oil lubricated chain together with power line wear parts ensure that Snowek rotary brooms are build to last. In addition bolted mudguard parts are easy to replace after collisions.

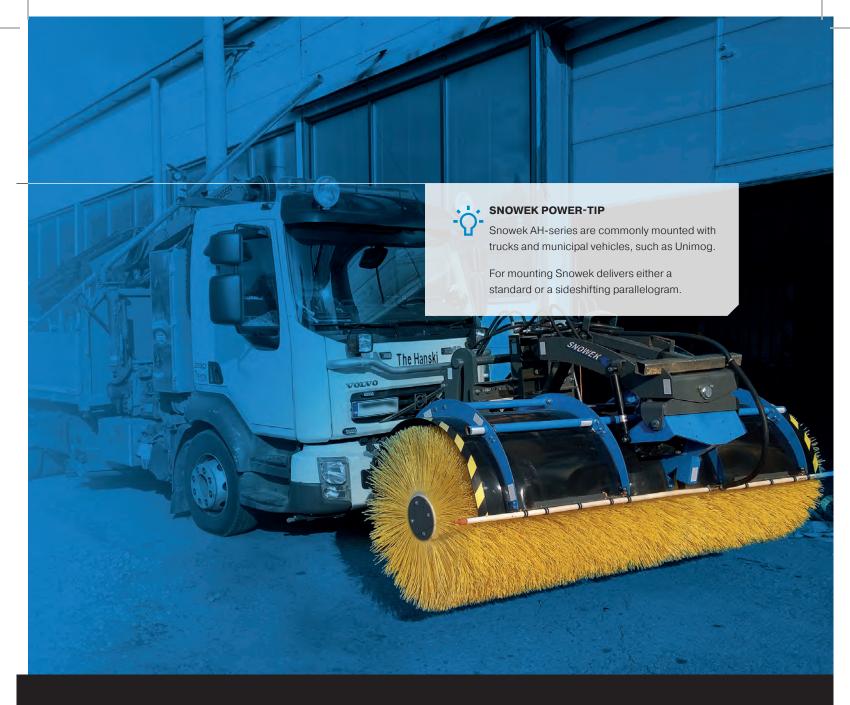
Snowek AH-Series are the professionals' choice for efficient sand, snow, leaves and debris sweeping.

Snowek AH-series are middle chain driven, which makes the brooms excellent to maneuver and easy to reach close to wall in tight spots. Floating mechanism, dragging-positioned design and the adjustable shock absorbers make the broom extremely steady to sweep.

Snowek AH series are available in 5 working widths from 2,0 - 3,3 metres.

Snowek AH brooms are recommended to over 3,5 ton wheel loaders, agricultural tractors, municipal loaders as well as for trucks and municipal vehicles.





- Hydraulic 32-degrees turn left and right
- · Vertical and horizontal float
- Hydraulic adjustment valve
- Standard adaptors (Euro, Trima, Kunta500, Vila, Volvo)
- 4 hydraulic hoses with ½" hydraulic couplings

- High pressure dust suppression technology
- Pressure washer and water hose reel (together with high pressure dust suppression)
- Traditional watering system
- Parallelogram for truck and vehicle mounting
- Electric valve (for using the sweeper with only 2 hydraulic hoses)letkulla)



SNOWEK 280TRUCK -SERIES:

TRUCK MIDDLE BROOMS

1 2,8 METERS WIDE BRUSH WITH 25 DEGREES TURNING ANGLE

Hydraulic turning of the brooms make sweeping efficient and maneuverable. 2,8 meters working width matches well with most common maintenance trucks.

550 MM NORMAL OR ALTERNATIVELY 500 MM BEELINE BRISTLE

Snowek recommends 280T equipped with 500mm beeline bristles that bring even stronger sweeping results.

3 BRUSH ROTATION SPEED OF UP TO 500 RPM

280T brooms are equipped with 200 cm3 gerotor motor that ensures the rotation speed of 250-500 rpm/min

4 AUTOMATION ON LOWER AND RAISE OF THE BROOM

280T brooms are equipped with start/stop conjucted automation raising and lowering the broom.

6 25° HYDRAULIC TURNING

280T brooms have a hydraulic turning angle of 25 degrees steered directly from the cabin. When no turning is needed, the broom can be locked into central position.

5 ADVANCED FLOATING MECHANISM

280T brooms are delivered with advanced horizontal and vertical floating.

TECHNICAL SPECIFICATIONS A280T

Working width	280 cm
Turning angle	+/- 25 degrees
Bristle diameter	550mm / 500mm beeline
Brush rotation	Up to 500 rpm

Snowek A280T middle brooms are a modern advanced version of truck middle brooms for snow and sand sweeping.

280T is equipped with hydraulic turning and automation in raise and lowering of the broom. Floating mechanism makes the broom efficient in uneven surfaces.

All 280T products are delivered tailored to the needs of the customers' trucks. Mounting is available for all common truck models. Contact the factory for more details.





- Automatic raise and lowering of the broom
- 500mm Beeline bristles or 550 straight bristles
- Hydraulic setup tailored to the truck requirements
- Broom rotation sensors
- Mudguards

A280T brooms are always delivered in a project tailor-made for the customer. Truck mounting for the most common truck chassis is available.

SNOWEK P-SERIES:

EXCAVATOR BROOMS

STABLE ROTATION OF THE BRUSH

Two hydraulic motors ensure that the broom keeps spinning smoothly, even under high stress.

2 MUDGUARD AND SUPPORT LEGS AS A STANDARD EQUIPMENT

The parts of the front mudguard are easy to replace thanks to simple bolt connections. In addition support legs can be carried easily with the broom.

3 FAST BRISTLE CHANGE

One man can change rotary broom bristles in thirty minutes.

5 MODELS WITH WORKING WIDTHS 1,0M - 2,7M

Snowek excavator brooms can be delivered in 5 different working widths and with alternative bristle options for specific user cases.



MODEL	P100	P150	P180	P220	P270
Working width (cm), A	100	150	180	220	270
Full width (cm), B	130	185	215	225	305
Depth (cm), C	100	100	100	100	100
Height (cm), D	120	120	120	120	120
Bristle diameter (mm)	90	90	90	90	90
Weight	190 kg	235 kg	260 kg	290 kg	330 kg
Hydraulic output recommendation	55 l/min	55 l/min	55 l/min	55 l/min	70 l/min
Hydraulic pressure (min-max)	160 - 230bar				
Available adaptors	S40, S45, S50, S60, NTP10				

Snowek P-series excavator brooms can be used with any vehicle that has a dedicated boom, such as excavators and backhoe loaders.

Like all Snowek brooms and sweepers, Snowek excavator brooms are designed to be efficient and easy to maintain.

Brushes can be replaced quickly, in-built support legs are always ready for use and two hydraulic motors ensure that the broom roller keeps spinning smoothly, even under high stress.



SNOWEK P270R:

RAILROAD BROOMS

STRONG BODY AND DURABLE STRUCTURE

Snowek P270R is designed to handle the pressure in railroad work. The broom weights over 800kg and has more power than normal boom brushes.

2 DEVELOPED DIRECTLY WITH THE CUSTOMER

As typical for Snowek's innovations also P270R was designed and developed in close co-operation with a professional railroad customer in Finland

3 ICE REMOVAL BAR AND ICE SCRAPER TEETH AS A STANDARD EQUIPMENT

The brooms are equipped with an agile single ice scraper tooth in the front and two railhole scrapers at the back. In addition to cleaning the rail holes with the scraper teeth, the ice removal bar can be used to clean the rail from ice.



MODEL P270RAILROAD

Working width (cm), A	270
Full width (cm), B	305
Depth (cm), C	100
Height (cm), D	120
Bristle diameter (mm)	90
Weight	810 kg
Hydraulic output recommendation	80 l /min
Hydraulic pressure (min-max)	160 - 230bar
Available adaptors	S40, S45, S50, S60, NTP10, Rail excavator

Since 2015 Snowek has also put emphasis on designing excellent value for price attachments in railroad maintenance.

Snowek P270Railroad brooms are designed to be a cost-efficient but agile option for widely used railroad sweepers.

Snowek P270R can be delivered with common international rail widths and the brooms are equipped with an ice scraper and a scraper teeth for the rail holes.

RECOMMENDED USE DESTINATIONS OF SNOWEK SWEEPERS AND BROOMS

	Snowek Circulus	Snowek K-series	Snowek H-series	Snowek AH-series	Snowek A280T	Excavator brooms	Railroad brooms
Wheel loaders	~	~	~	~	×	×	×
Agricultural tractors	~	~	~	~	×	×	×
Municipal tractors	~	~	~	~	×	×	×
Excavator brooms	~	×	×	×	×	~	~
Trucks	×	×	×	~	✓	×	×
Municipal vehicles	×	×	×	~	Contact Snowek	×	×
Railwork excavators	×	×	×	×	×	~	×

	Snowek Circulus	Snowek K-series	Snowek H-series	Snowek AH-series	Snowek A280T	Excavator brooms	Railroad brooms
Streets	~	~	~	~	~	×	×
Sidewalks	~	~	✓	~	×	×	×
Municipal yards	~	~	✓	~	×	~	×
Parking lots	~	~	✓	~	~	×	×
Industrial areas	~	~	✓	~	×	~	×
Construction sites	~	Depending on material	✓	~	×	~	×
Airports, harbors and military bases	~	~	~	~	~	×	×
Highways	Short distances	Short distances	Short distances	~	~	×	×
Rail- and tramways	×	×	×	×	×	~	~

SNOWEK SWEEPER ACCESSORIES

SNOWEK SWEEPER ACCESSORIES



SIDEBRUSH

Increase your sweeping width with a sidebrush.



HIGH PRESSURE DUST SUPPRESSION SYSTEM

Snowek developed, designed and launched in 2013 a revolutionary high pressure dust suppression technology, that bind sweeping dust more efficiently and saves water consumption. In dust control tests carried out by the Metropolia Applied Sciences University, Finland, Snowek high-pressure dust suppression technology was found to limit rising street dust by 52% compared to traditional watering systems and by 82% compared to sweeping without watering system. Water consumption is estimated to be as low as one third of traditional water sprinkler systems.



WATERING SYSTEM

Traditional watering system to control the rising dust while sweeping.



PRESSURE WASHER

Highly popular attachment alongside with the high pressure dust suppression technology. Pressure washer helps the operator to wash bus stops, stairs and for example container bases quickly and efficiently.



SUPPORT WHEELS

Bucket sweepers can be equipped with support wheels to make sweeping more steady when needed.



PARALLELOGRAM

Lifting device for trucks and municipal vehicles can be delivered either with sideshifting functionality or as a standard model.



SPARE PARTS

Spare parts for Snowek sweepers are available from your nearest dealer or directly from the factory with same day shipment.

Please visit www.snowek.fi/aftersales for more information.

FIND YOUR DEALER WWW.SNOWEK.FI/DEALERS







