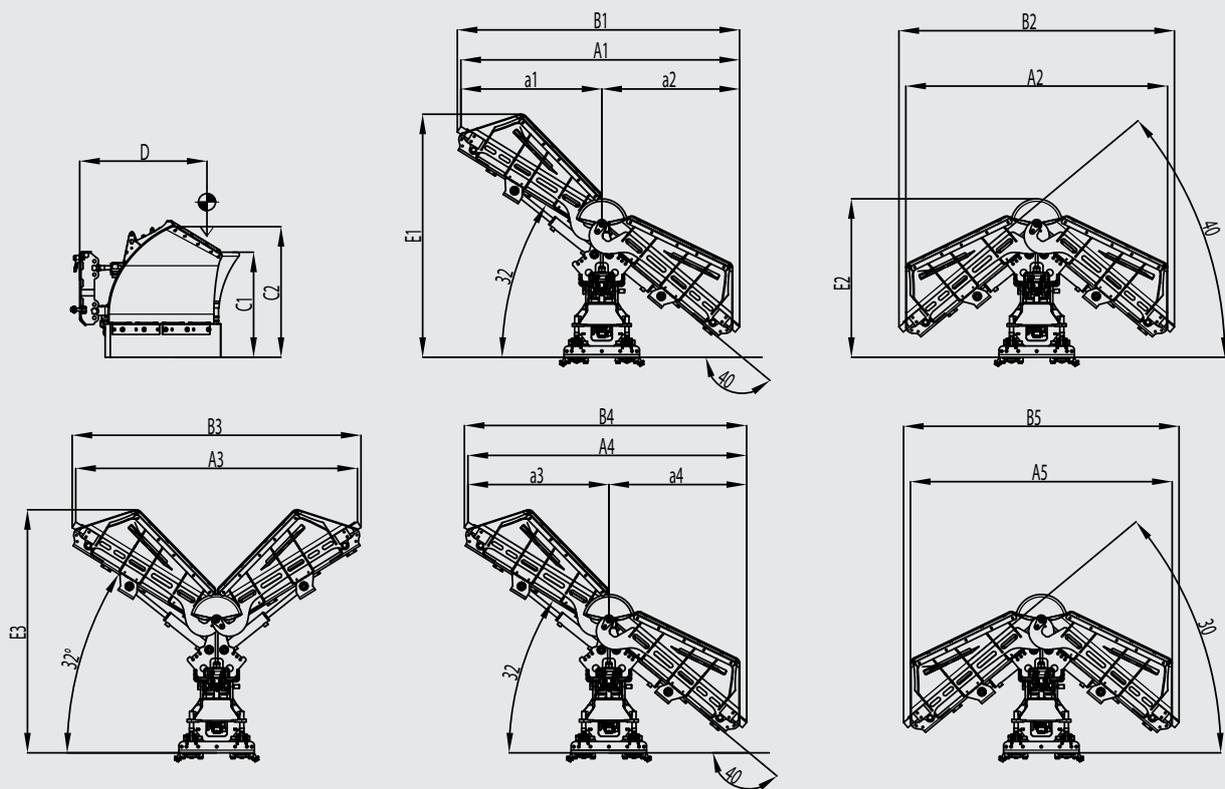


Bucher Unix S series



Key Features



Scraper blade

This NeoTech 2S neoprene blade is ideal for all types of snow, especially fresh and melting snow. Known to ensure up to 5 times longer life than conventional scraper blades.



Variable geometry

The special feature of the snowploughs in the Bucher Unix range is the variable geometry that combines the work speed and safety of a classic blade with the versatility and sturdiness of a variable v-plough.



HD polyethylene shield

Given the characteristics of the material and the curvature it takes on when bolted onto the blade, this snowplough ensures features such as low weight, sliding quality, corrosion resistance and excellent shock absorption.

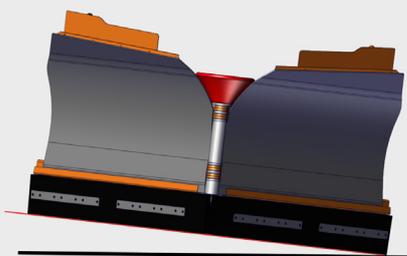
Bucher Unix S series

Technical data - Bucher Unix S series with neoprene blade

		SC14u	SC16u	SC18u	SC20u	SC22u	SC24u	
L	Scraper blade length	1450	1650	1850	2050	2250	2450	mm
A1	Clearing width at 30° (at blade)	1275	1450	1620	1795	1970	2145	mm
a1	From centre to left	620	705	795	880	965	1055	mm
a2	From centre to right	655	740	830	915	1005	1090	mm
P2	Weight without lift	210	225	240	255	270	285	kg
D2	Centre of gravity without lift	320	305	290	275	260	245	mm
C1	Height at the nose	650	650	650	650	650	650	mm
C2	Height at sides	770	770	770	770	770	770	mm
B1	Overall dimensions at 30° (at blade)	1275	1450	1620	1795	1970	2145	mm
E1	Overhang at 30° (at blade)	1290	1300	1320	1445	1445	1490	mm
B4	Minimum overall dimensions for narrow lanes (at blade)	1190	1350	1510	1670	1830	1990	mm
A4	minimum blade clearing at +32° / -40°	1200	1360	1520	1685	1845	2005	mm
a3	From centre to left	605	690	775	860	947	1030	mm
a4	From centre to right	590	670	745	820	900	975	mm
B5	Overall dimensions at 30° (at variable v-plough)	1310	1485	1660	1830	2005	2180	mm
A5	Clearing at 30° (at variable v-plough)	1310	1485	1660	1830	2005	2180	mm
A2	Minimum clearing at 40° (at variable v-plough)	1185	1340	1490	1645	1795	1950	mm
B2	Minimum overall dimensions for narrow lanes (a variable v-plough)	1185	1340	1490	1645	1795	1950	mm
E2	Overhang at variable v-plough	950	950	950	950	950	950	mm
A3	Minimum clearing at 32° (at shovel)	1215	1380	1550	1720	1890	2060	mm
B3	Minimum overall dimensions for narrow roads (shovel)	1215	1380	1550	1720	1890	2060	mm
E3	Maximum overhang at +32° (at shovel)	1290	1300	1320	1460	1460	1500	mm
P1	Weight with lift	240	255	270	285	300	315	kg
D1	Centre of gravity with lift	440	425	410	395	380	365	mm
V	Lift stroke	320	320	320	385	385	385	mm
	Overhang without lift	180	180	180	180	180	180	mm

Technical data and images are indicative and not binding.

Reference technical standards: Directive 2006/42/CE (CE mark) and UNI EN 13021



Side oscillation

Exclusive compression system on the base plate for side oscillation which guarantees perfect adherence to the road surface when in use and keeps the scraping edge stable when raised.



Push unit

Different types of push units and rapid coupling systems depending on vehicle.



Signalling devices

LED marker lights, fog lights, marking flags and reflective stickers are just some of the signalling devices available.



Bucher MBS technology

The Bucher MBS can be adapted to fit a neoprene blade, without modifying its characteristics simply by adding an integrated anti-ice saline solution injection system. A salt spreader, a liquid spreader or simply a solution tank mounted on the truck can be used to feed the nozzles integrated into the blade. This system combines mechanical snow scraping with anti-icing treatment. It also enables the thin layer of snow left on the road after clearing to melt.

The objective of this innovative and exclusive system is to increase the safety and effectiveness of winter road maintenance. Mechanical injection of solution into the asphalt also ensures that 100% of the solution remains on the road, thereby avoiding dispersion.

Technical notes for mounting on vehicles

- The vehicle must be equipped with a tool holder plate matching the base version selected plate and must have sufficient axle capacity (a preliminary check of this capacity is recommended).
- Operating the F4 3P1 3T basic version tool and similar requires 2 double-acting closed centre controls. The safety valve drain is also required.
- For a thrust unit with lifting or A/F2, A/F3 with plate, an additional double-acting closed centre and floating center hydraulic control is required.
- For clearance lights, the vehicle must be equipped with a 7-pole electrical socket compliant with the UNI-EN 15431 standard in accordance with ISO1724 (12V) and ISO1185 (24V).



Variable v-plough configuration

Ideal for cleaning large quantities of snow thanks to the very open shield profile which discharges it to the sides.



Shovel configuration

Ideal for clearing snow in large open spaces or narrow tracks in city roads.



Snowplough configuration

The curved profile and HD polyethylene shield make this ideal for clearing snow at speed.

Bucher Unix S series - Standard data

R - Rotation	-40° / 32°
O - Side oscillation	±7°
Number of blade sections	1
Indicative lifespan of Neoprene blades	3400 km ±600 km
N - Blade contact angle	0°
Neoprene scraper blade specifications	200 mm x 50 mm

Mouldboard/Shield

The recyclable HD polyethylene mouldboard/shield has a curved, open profile which can clear large quantities of snow. The polyethylene puts less load on the vehicle's front axle and makes the snow less sticky with less power required from the vehicle.

The features of this material ensure less maintenance intervention.

Neoprene scraping edge

The main neoprene blade has two layers with different hardness values.

Obstacle overcoming system

In the event of impact with fixed obstacles, the elasticity of the neoprene blade allows it to deform, making it easy to overcome obstacles and allowing it to return immediately to its working position, without rebounding and without transmitting vibrations to the vehicle, all with a minimum noise level.

Tilting system

The central oscillation system allows tilting of about ±4°. Having to work in the variable V-plough or shovel position, the oscillation system allows the angle of the vehicle to be changed to ensure uniform wear of the blade and more effective work.

Splash guard

The splash guard is made from a sheet of tarpaulin rubber. It is very useful in the event of large amounts of snow to be piled up and when clearing at high speed, since it does not allow the snow to reach the vehicle's windscreen, thereby ensuring visibility for the operator during clearing work.

Paintwork

Metal structural components are painted in several stages: SA 2.5 shot blasting; powder primer with 30% galvanized epoxy resin; polyester powder painting, cured at 200 °C. The hydraulic and electrical parts, on the other hand, are treated with Teroson Terotex 3000. This type of painting has obtained certification from an independent laboratory for resistance to more than 2000h exposed to salt spray.

Attachments

Available for all the most widely used types of rapid attachments (EN15431 F2, DIN Gr. 3, DEMISETRA, 3 point hitch and fast-acting hook-ups for compact tool

carriers).

Main optional data

Electro-hydraulic unit	50 kg
Headlamp bar	40 kg
Low side bumpers	7 kg
Sliding shoes	50 kg

Other options

- Locking valves
- Duplicator and tripler
- Blade bumper
- Polyurethane protection for Jersey barriers
- Voltage 12V or 24V

Bucher Municipal



For local contact and support, please scan the QR code or visit

buchermunicipal.com

Driven by better



Bucher Unix S, Rev.00_11/2022
Technical specifications are subject to change without prior notice.
Illustrations may differ from the standard equipment.