

Bucher Wingx, the triaxial **snow plough** by Bucher Municipal

We are raising city and large-area snow clearing operations to the next level. From now on, removing, moving and piling snow will be even easier thanks to the versatility of Bucher Wingx.

The features that have distinguished Bucher snow ploughs for years are combined with the latest technologies developed by our research and development departments.

- The high-strength steel structure, polyethylene shield and liquid galvanised primer paint make this product strong, reliable and corrosion-resistant.
- Our anti-damage systems allow for as minimal damage as possible in case of side impacts: hydraulic safety valves and nitrogen accumulators encourage the side wings to return to their working position after impact.
- Double scraping blade, to always have the best solution depending on the type of snow and ice on the ground.

Bucher Municipal



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

At Bucher Municipal, we innovate and engineer better cleaning and clearing solutions, helping our customers grow and maintain efficient and profitable businesses. Leveraging the over 200-year-old heritage of Bucher, we are committed to helping you achieve more using less. Taking pride in being seen as a reliable partner, we work locally with you in realising the possibilities for a smarter, cleaner and more efficient tomorrow. Today.



Your Bucher Municipal contract partner:

Driven by better



Bucher Wingx brochure, Rev001, 12/2023.
Technical data is subject to change without prior notice.
The illustrations may deviate from standard equipment.

Bucher Wingx

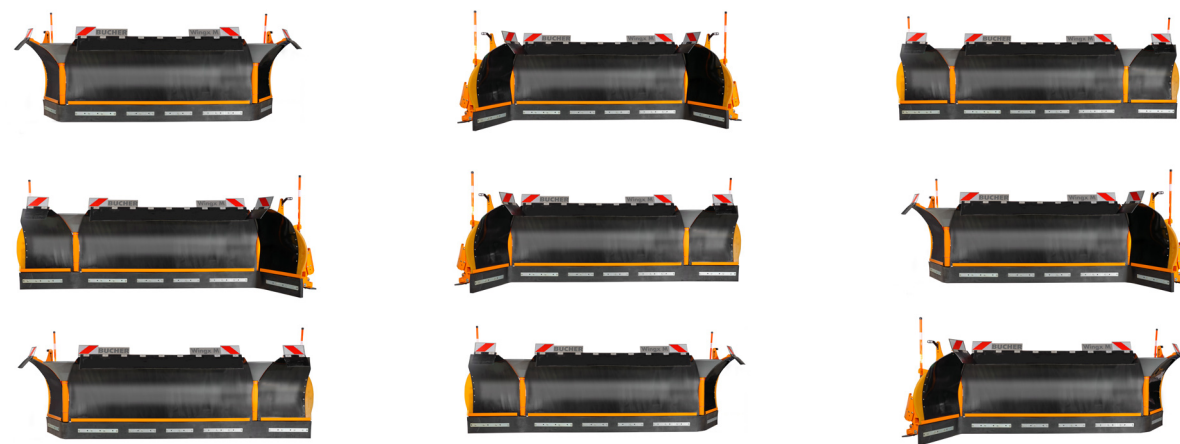
The innovative triaxial snow plough





The versatility of Bucher Wingx

Bucher Wingx was designed with the aim of satisfying the needs of customers who, working mainly in squares and car parks or more generally on large areas, required a versatile and reliable snow plough capable of clearing large quantities of snow in the shortest possible time. This snow plough can also be used for snow clearing in urban areas thanks to its ability to stop the outflow of snow when driving along driveways or side roads. The main features and strengths are those that have always distinguished our products, the engineering concept of the blade is totally new. Two side wings with a large rotation radius for a total of 130° (70° positive and 60° negative) have been added to the central sector. In addition, the rotation of the entire blade of ± 30° allows for an indefinite number of working positions. The high-density polyethylene shield, thanks to its non-stick properties, allows even large amounts of snow to accumulate. Three different models are available, ranging from 3 to 5 metres in total clearing width. In addition to the primary scraping blade made of bi-shore neoprene, each model has the option of installing the second scraping edge made of wear-resistant 400 HBW steel in order to be effective even when working on compacted and icy snow. The snow plough is equipped with polyurethane compression inserts that allow lateral oscillation to optimally adapt the plough to the road profile.

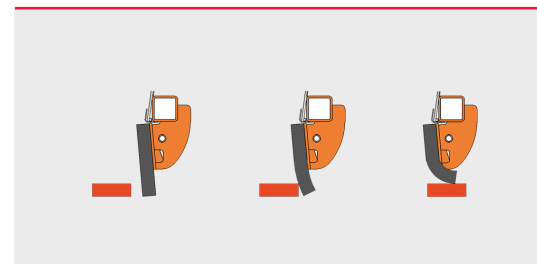


	R	L	M	
Scraping edge length	3000	3650	4850	mm
Snow plough rotation	± 30°	± 30°	± 30°	°
Wings rotation	+70° / -60°	+70° / -60°	+70° / -60°	°
Clearing width (shovel position)	1845	2545	3605	mm
Minimal overall for narrow passages	da 1860 a 1895	da 2405 a 2410	3410	mm
Weight	da 1035 a 1150	da 1065 a 1200	da 1720 a 2000	Kg
Snow plough height /second scraping edge in working position	1040 / 1110	1040 / 1110	1295 / 1400	mm



HD polyethylene shield

The shield is made of a layer of recyclable HD polyethylene, and has a curved, open profile to facilitate the collection of large amounts of snow. Polyethylene allows less load on the front axle of the vehicle and better snow slipperiness. Unlike steel, polyethylene does not allow snow to stick to the rolling stock, making clearing large car parks much faster.



Bi-shore neoprene scraping blade

Bi-shore neoprene scraper blade with negative working angle, ideal for fresh and melting snow, indispensable on porphyry or block pavements. In addition to perfect snow removal, it guarantees a service life of up to 5 times that of steel. Thanks to its flexible design, it allows for easy clearance of fixed obstacles. The single-section blade facilitates piling and clearing operations in squares and car parks without the possibility of snow passing behind the snow plough.



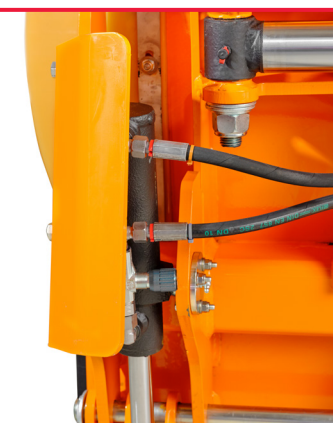
Double scraping blade (optional)

Particularly effective on snow compacted by traffic or ice, it is made of high-quality wear-resistant 400 HBW steel. It can be operated directly from the cab via a hydraulic circuit.



Filling cones

Polyethylene cones, positioned in the upper part of the wing hinges, allow smooth and complete rotation, preventing snow from passing through the gaps.



Hydraulic cylinder protections

Positioned on the ends of the snow plough, they protect the structure, and especially the hydraulic cylinders for operating the second scraping blade, from hits and side impacts.



Straight position

Thanks to its single-sector scraping edge and curved profile, Bucher Wingx can also work in straight position for snow clearing on short road sections.



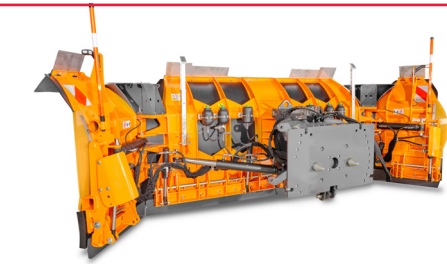
Shovel position

The positive rotation radius of the wings means that Bucher Wingx can accumulate large amounts of snow with great ease and precision. Perfect for clearing squares and car parks.



S position

This position is particularly useful for removing and moving snow that has accumulated to the side for later treatment.



Structure and painting

The entire structure is designed to be strong and able to resist the continuous vibrations and stresses to which the snowploughs are constantly subjected. All elements are made of high-strength steel, electro-welded together continuously by robot. The painting process is carried out in several stages: SA 2.5 shot blasting with a dedicated line for the treatment of small parts; self-catalysing water-based galvanising epoxy primer, which guarantees the best anti-corrosion protection technology available on the market today; polyester powder coating, baked at 200°. Hydraulic and electrical parts, on the other hand, are treated with Teroson Terotex 3000. Resistance, certified by an external laboratory, to over 2000h in salt spray.



Anti-damage system

To protect the blade from heavy damage caused by side impacts, there is a hydraulic relief valve connected to nitrogen accumulators. In the event of a minor collision, the wing is immediately returned to its working position. The relief valve acts after a strong impact, draining the oil and completely retracting the impacted wing.