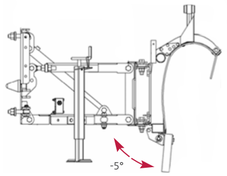
Configuration examples

Any kind of snow needs a specific scraping edge:
- Bi-shore rubber or ploy urethane scraping edge for soft or wet snow
- Steel scraping edge for hard packed or iced snow

	SCRAPING EDGE MATERIAL	ANGLE
RC	Neoprene rubber	-5°
RN	Rubber + steel	-5°/15°

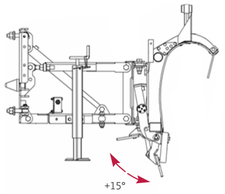
"RC" with single neoprene scraping edge

In "Neoprene" special realisation with bi-shore structure; His profile copy perfectly the road surface shape. It doesn't generate noise, with asphalt or also stone block pavement, respecting the existing norm.
It doesn't generate vibration to the equipment and to the truck.
Lifecycle of this special neoprene scraping edge higher than steel one.
Lower maintenance cost due to the easy structure without spring security. Conform to the EN13021 norm, safety equipment for winter maintenance.



"RN" with neoprene scraping edge and a second steel scraping edge with hydraulic actuation from cab

Related to the snow type, possibility to set from the cab the steel or neoprene scraping edge.
The steel scraping edge overpass the obstacle thanks to a Nitrogen accumulator in Hardox 400.



Adjustable castor wheels

Fitted on request, they are used to adjust the height of the scraping edge from the ground.

Side fenders

On request, they prevent the blade from sticking into obstacles at the road side.

Safety locking devices

On the lifting cylinder, in accordance with the safety regulations (CE mark). On request, they are also available on the rotation.

BMU_R_EN_rev03 - 07/2020 - The technical data and pictures are indicative and not binding.

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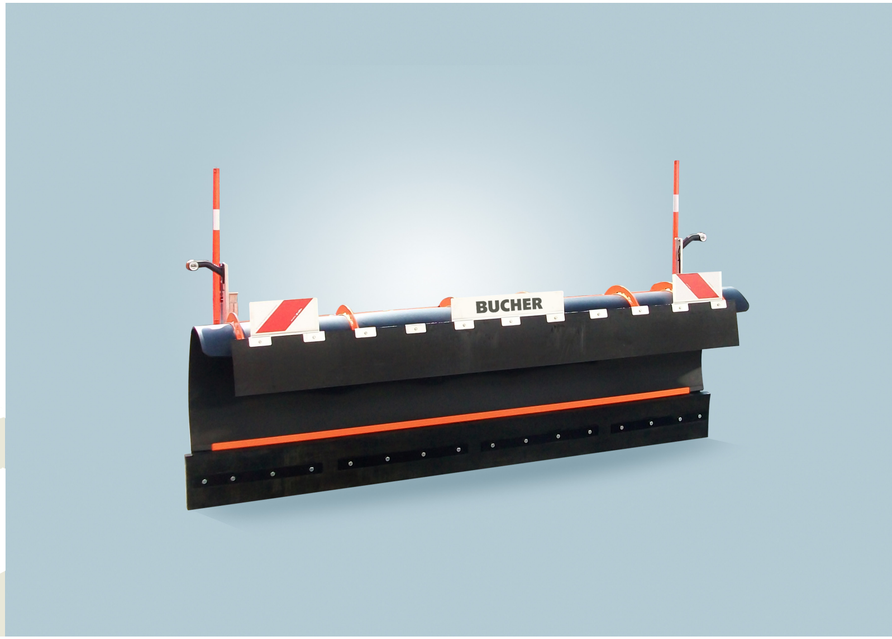

Snow Ploughs

Polyx R
Polyethylene Snow Ploughs

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I-12036 Revello (CN)
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giletta@buchermunicipal.com

Polyx R

Single-section light plough R, with HD polyethylene shield and a high yield point steel structure. The Polyethylene bolted to the structure is free from corrosion. Thanks to a minor adhesion of snow on this material, it allows for a better snow evacuation and a reduction of the vehicle effort. Suitable for the snow clearing of all kinds of urban and extra urban roads, even with many obstacles.

Engineered for any environmental condition, it can have rubber or steel scraping edges with a positive or negative angle of attack, depending on the snow conditions.

	R_26	R_26+	R_28	R_28+	R_30	R_30+	R_32	R_32+	
Length of scraping blade (min/max)	2600	2600	2800	2800	3000	3000	3200	3200	mm
Working width at 30° (min/max)	2275	2275	2450	2450	2620	2620	2795	2765	mm
Minimum width for narrow passages at 30°	2275	2275	2450	2450	2620	2620	2795	2795	mm
Max right-left rotation angle	30	30	30	30	30	30	30	30	°
RC with rubber scraping edge									
Weight of basal version "RC"	310	315	320	325	330	335	340	345	Kg
RN with double scraping edges in rubber and steel									
Weight of basal version "RN"	395	400	410	420	430	440	455	460	Kg

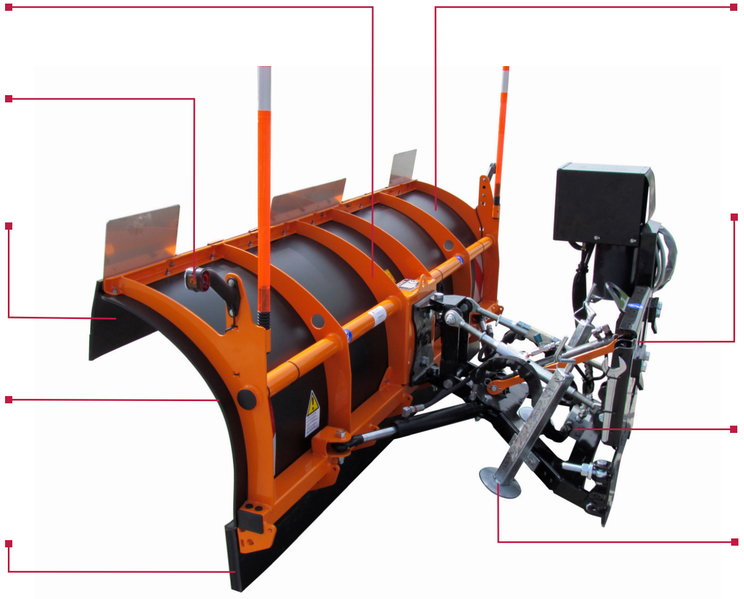
Steel structure
High tension steel.

Led clearance lights
Resistant to vibrations and external agents.

Rubber splash guard
It limits snow splashes on the vehicle windscreen.

Blade curvature
The special profile perfectly discharges even large amounts of snow.

Neoprene scraping edge
For soft or damp snows.



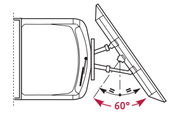
Shield in polyethylene
At high density.

Rapid attachment plate to vehicle
Available in standard EU15432 version F1 or F2, DIN760060 or SETRA.

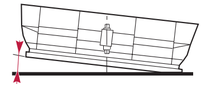
By-pass valve
In the rotation hydraulic circuit it ensures an effective shock absorption against lateral impacts.

Supporting feet
With mechanical height adjustment.

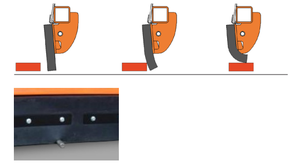
Rotation
Rotation angle from +30° to −30°

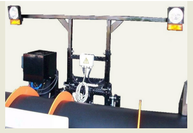


Transversal inclination angle
A central oscillation system allows the plough to follow the road profile (+/-7°).



Obstacle overcoming system with rubber scraping edge
The elasticity of the Neoprene scraping edge enables its deformation in case of impacts against fixed obstacles, thus allowing an easy obstacle overcoming and its immediate return to the working position, without any rebound.





Auxiliary spotlight kit

Available on request, in compliance with current traffic regulations, they back-up the vehicle lights and are adjustable.

Electro-hydraulic control unit

It can be installed on request on the plough mounting plate.

3 point connection

For farm tractors available in Cat. 2 and 3.

Protection edges in steel

On request at the two plough sides, they protect the polyethylene shield from impacts and wear.

Duplicator valve

On request, it allows to split a hydraulic control, thus enabling to alternately perform two movements from a single hydraulic line. Tripling version also available.

Second steel scraping edge

Available on request, two hydraulic pistons enable the steel scraping edge insertion, thus allowing to alternate it with the neoprene one.