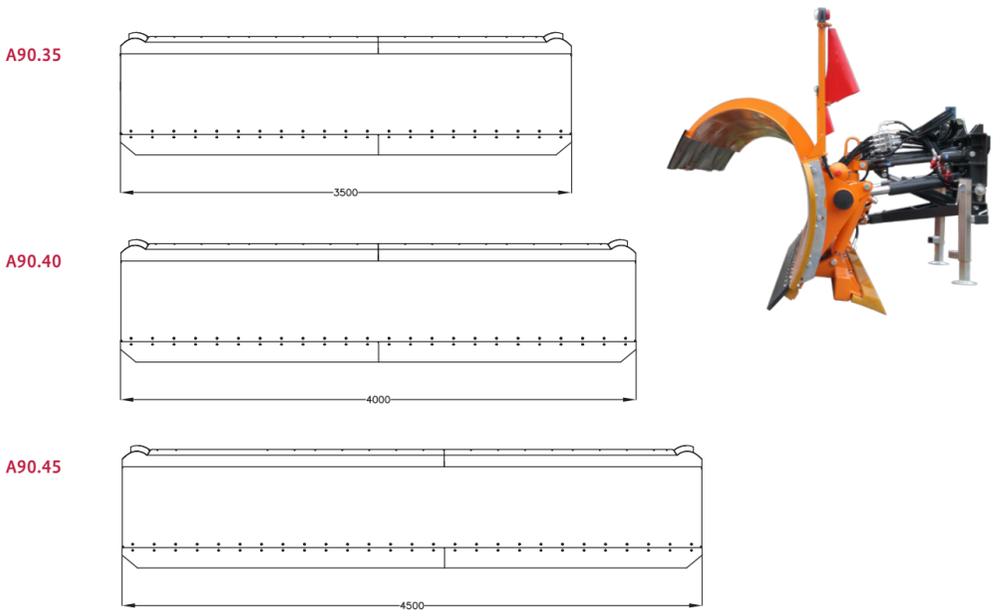


**Configuration examples**



BMU\_A90\_EN\_rev02 - 06/2020 - The technical data and pictures are indicative and not binding.



Snow plough

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**Bucher Irox A90**  
Single-section plough

## Bucher Irox A90

Single-sector plough for heavy snowfalls, equipped with hydraulic controls that allow not only the right-left rotation and lifting-lowering, but also the variation of the angle of incidence on the road, in relation to the quality and quantity of snow, in order to improve the plough scraping ability.

It adapts perfectly to remove snow from all types of roads, highways and airports, even with uneven bottom, both at high and low speed. Due to the high elasticity of the plough - which is equipped with a double shock absorber system - it is able to overcome obstacles of over 5 cm with no kickback, so that the operator can work with the maximum safety.

	A90.35	A90.40	A90.45	
Length of scraping edge	3500	4000	4500	mm
Clearing width (30° max. inclination)	3030	3460	3900	mm
Max. right-left clearing angle	36	36	36	°
Angle of attack on the ground	0, +25	0, +25	0, +25	°
Minimum width for narrow passages at 36°	3100	3500	3900	mm
Number of scraping edges	2	2	2	qnt.
Surmountable obstacle height	50	50	50	mm
Weight of standard version	980	1030	1080	kg

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

**Adjustable central oscillation system**  
It offsets weight differences between right and left side and locks the blade in the horizontal position with blade raised, while it frees it completely to follow the road profile with blade lowered in working position. Thanks to this device the scraping edge wears evenly.

**Quick attachment plate to vehicle**  
Available according to the standards EU15432 size F1 or F2, DIN 76060, SETRA.

**Supporting feet**  
With mechanical height adjustment.

**HAG - Hydraulic pistons for hydraulic angle adjustment**  
For the angle hydraulic adjustment.

**HPS - Hydraulic device for polyurethane scraping edge**  
Available on request, two hydraulic pistons allow the insertion of a polyurethane scraping edge to be used as an alternative to the steel one.

**Nitrogen accumulator**  
A nitrogen accumulator is inserted on the hydraulic system to allow the blade rotation along its horizontal axis and its automatic comeback once the obstacle has been passed. This is an additional safety device together with the polyurethane insert.

**Led clearance lights**  
Resistant to vibrations and external agents.

**Blade top extension type "f"**  
On request, it increases the blade height by accentuating its curvature: this limits the turbulence effect at high speeds.

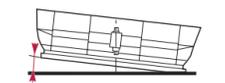
**Blade curvature**  
The special profile, complete with bolted top extension in sheet metal, perfectly discharges even large amounts of snow.

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

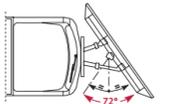
**Lateral edges**  
Available on request, in plastic material, they are ideal for clearing near new-jersey barriers and helping the snow discharge.

**Steel scraping edge**  
Available on request also in POLYURETHANE or KOMBI.

**Transversal inclination angle**  
A central oscillation system allows the blade to follow the road profile.



**Rotation**  
Rotation angle from +36° to -36°



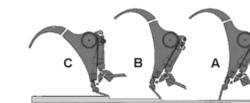
### Inserito di poliuretano

Fitted between the steel scraping edge and the blade, it offers the elimination of any vibrations and the scraping edge rotation when obstacles are encountered, with automatic return to the working position once these have been exceeded.



### Overcoming obstacles system

- Working position
- Polyurethane element allowing the rotation of the blade
- Polyurethane element allowing the plough rotation and nitrogen accumulator allowing the blade rotation.



### HAG - Hydraulic adjustment of the angle

It allows to rotate the blade in all positions, also intermediate positions between points 1 and 2. In general:  
POSITION 1: for heavy and wet snow or a lot of snow. Compulsory position when operating with polyurethane scraping edge.  
POSITION 2: for powdery snow or to scrape.



#### Electro-hydraulic control unit

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



#### Auxiliary spotlight kit

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



#### Polyurethane scraping edge

On request, to replace the steel scraping edge.



#### Safety locking devices

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



#### Self-adjustable support wheels

On request, they are preloaded with automatic working field, run smoothly over the ground and are suitable when working at high speed or when rubber or plastic scraping edges are used.



#### Hydraulic support feet

On request.



#### Splash guard

On request, with hydraulic regulation, it allows to orientate the snow discharging.



#### Carriages with pivoting wheels

Used to easily move the equipment inside warehouses. A wheel per carriage is equipped with a parking brake.



#### 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.



#### Hydromechanic accumulator with graduated index

Inserted in the lift circuit, it allows to adjust the pressure on the ground to avoid an excessive wear of the polyurethane scraping edge. The graduated index is visible by the driver and is equipped with an average value marker, recommended by the manufacturer.