



Technical features, standard equipment,
optional features and dimensional data



VMR2-S

V-PLOW SNOWPLOW

STANDARD EQUIPMENT



**Working position 1
WEDGE-SHAPED/V MODE**



**Working position 2
SCOOP MODE**



**Working position 3
RIGHT BLADE**



**Working position 4
LEFT BLADE**



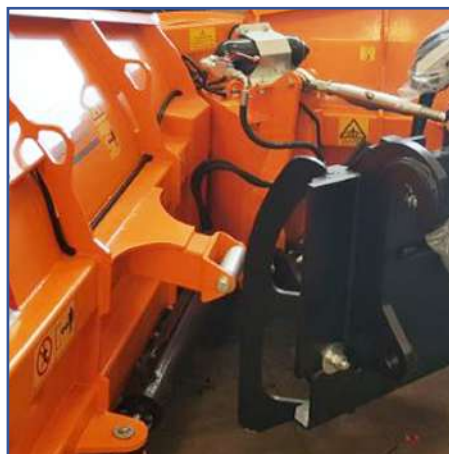
**Anti-shock polyurethane bumpers
system on the bottom cutting edges**



**Anti-shock bumpers system
on the tip**



"V" position 45° working angle



Side mechanical stops



**Nitrogen accumulator to reduce
the side shock loading**

V-PLOW SNOWPLOW VMR2-S

OPTIONAL FEATURES



Double-effect hydraulic cylinder (optional) to manage the automatic adjustment and the front shock absorbing system (necessary a 4th hydraulic line)



24V electro-hydraulic power (optional) unit equipped with cable and push-button panel (6+1 stations or 8+1 stations) to be matched with the code 5410910



Pair of additional lights mounted on the DIN plate



LED side-marker lights



Rubber cutting edges (250x50)



Upper rubber splashguard (optional)



Pair of slides adjustable in height

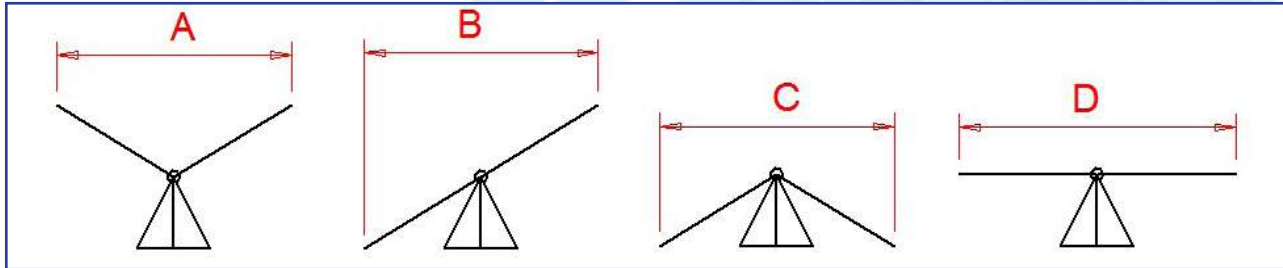


3-point hitch forklift attachment to be bolted on the DIN plate



Attachment for operating machines (backhoes, loaders) to be bolted on the DIN plate

TECHNICAL SHEET



MAIN FEATURES

CODE	MODEL	WEIGHT (kg)		HEIGHT (mm)		OVERALL DIMENSIONS WHILE WORKING (mt)			
		CONTROL UNIT INCLUDED		tip	end point wings	SPOON MODE (A)	BLADE MODE (B)	"V" MODE (C)	MAX (D)
5030980	VMR2-S MT. 2,20	600	660	750	900	2,2	2,34	2,25	3,07
5030990	VMR2-S MT. 2,40	800	860	890	1330	2,4	2,54	2,45	3,52
5031000	VMR2-S MT. 2,60	1000	1060	1040	1360	2,6	2,74	2,65	3,67
5031010	VMR2-S MT. 2,90	1200	1260	1040	1400	2,9	3,04	2,95	4,20

N.B. Weight and dimensions tolerance + 3%

1. Classification/structural features

The VMR2_S V-plow is designed for hard winter conditions and it fits trucks with PTT>100 quintals, agricultural tractors with power over 90 hp and weight > 45 quintals and 90 hp backhoe loaders or wheel loaders. Completely made of high-strength steel and equipped with quick hitch plate for easy attachment complying with the standards DIN 76060/A. Central body made of high-strength steel on which are jointed the side blades by means of N. 6 Hardox hinges. Incidence (longitudinal pitch angle) adjustable by means of a mechanical - manual system (third upper point) or, on request, by an automatic hydraulic system.

End-stroke mechanical stops in positions of maximum inclination (to protect the hydraulic cylinders for the blades handling). Nitrogen accumulator to reduce the side shock loading installed on the hydraulic circuit of the cylinders for the blade's movements, combined with overpressure valves and with bottom rubber splashguards on which are fitted the cutting edges. Mechanical coupling system of the DIN plate with the central body, which allows a transverse pitch angle of + 5°, with automatic horizontal locking of the equipment lifted from the ground, in motion. Painted with special anti-rust treatment and final paint RAL 2011 (orange). R2 pipes with fittings and unified quick couplings. The V-plow modes: "V" mode (angle 90°), blade inclined completely to the right or left (angle 45°) and reverse wedge (scoop mode) with internal angle of 40°, in addition to all intermediate positions.

2. Mode of operation and handling settings

Hydraulically driven, through hydraulic double-effect cylinders for the movement of every single blade and for lifting/lowering procedures. Control of the plow by means of the electronic push-button panel, with cable of appropriate length, and of the electro-hydraulic unit. As an alternative, commands already present on the vehicle if equipped with a special hydraulic system (ex. agricultural tractor).

3. Power supply

24 Volt electro- hydraulic power unit installed, on request (optional), on the snowplow. As an alternative option, a special hydraulic system installed on the vehicle (3 double-acting distributors required, one with a floating position).

4. Accessories standard version

Flags, nitrogen accumulator, upper tie-rod adjustable (3rd point), anti-wear steel cutting edge, anti-shock system with lower bumpers.

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