

# MSPN04 – SIDESHIFTABLE HIGHWAY SNOW PLOUGH



**MSPN-04 series snow ploughs** are suitable for use on **highways** and also **cities**, where a very good cleaning result and low noise levels are important. **The Patented elastic polyurethane blade holders** that replicate the road surface smoothly move over different obstacles on the road surface. **The sideways shifting solution** makes working with the plough more comfortable and efficient, especially when using the side plough. It is possible to order the mouldboard in **different heights** and **shapes**, depending on the nature of the work. The plough can be equipped with **hydraulic additional blade system**, where **rubber blades** are fixed with **EASY Fix system**.

## EQUIPMENT:

- MOLDBOARD PARTIALLY PLASTIC
- MOLDBOARD HEIGHT CHOSEN BY CUSTOMER
- PATENTED LIFTING FRAME (PARALLELOGRAM) WITH SIDESHIFT READINESS
- LIFTING CYLINDER (WITH MECHANICAL FLOATING)
- PIVOT CYLINDER WITH OVERLOAD VALVE AND HYDR. BATTERY
- PATENTED POLYURETHANE BLADE HOLDERS (COPYING ROAD SURFACE, OBSTACLE OVERRUN, NOISE REDUCTION)
- HYDRAULIC HOSES WITH ½" QUICK COUPLERS (MALE)
- ADJUSTABLE SNOW FLOW GUIDE IN THE WING RIGHT CORNER
- SNOW OVERFLOW GUARD (RUBBER) IN FRONT OF THE WING
- LED MARKER LIGHTS (7- PIN PLUG)
- MANUALLY ADJUSTABLE STORAGE LEG
- MEIREN STANDARD SAFETY MARKINGS
- MOUNTS (BOLT-ON) SUITABLE TO THE VEHICLE MOUNTING PLATE
- POLYURETHANE PAINT WITH HIGH WEAR RESISTANCE
- COLOR MEIREN YELLOW

## EXTRA EQUIPMENT:

- MOLDBOARD HEIGHT (LOW, MEDIUM, HIGH, TWIN CONE)
- SHORT LIFTING FRAME (CLOSER TO THE VEHICLE)
- HYDRAULIC SIDESHIFT FUNCTION (500 MM OR 1200 MM)
- ADJUSTABLE SKID SHOES
- ADJUSTABLE SUPPORT WHEELS (WITH LONG PARALLELOGRAM)
- HYDRAULIC ADDITIONAL BLADE SYSTEM (4 OR 6 SECTIONS)
- MANOMETER FOR HYDRAULIC ADDITIONAL BLADE SYSTEM
- EL. HYDRAULIC DISTRIBUTOR FOR ADDITIONAL FUNCTIONS
- SWITCH (WITH WIRE OR WIRELESS) FOR CONTROLLING THE EL. HYDRAULIC DISTRIBUTOR
- ELECTRO HYDRAULIC POWER UNIT (12V / 24V) WITH CONTROLS
- PLOWING LIGHTS ON SUPPORT FRAME (VEHICLE HEADLAMPS)
- MOUNTS (BOLT-ON) USING PLOW WITH TRACTORS, LOADERS
- HYDRAULIC SNOW STOP
- GUARDRAIL PROTECTOR (SIDE PLASTIC OR SUPPORT ROLLER)
- EXCHANGEABLE CORNER BLADES, VARIOUS (WITH IMPACT RELIEF THROUGH POLYURETHANE BLADE HOLDERS)
- OPTIONAL BLADE SETS (METAL, POLYURETHANE, KOMBI, RUBBER)
- STORAGE FRAME WITH WHEELS
- REQUESTED SAFETY MARKINGS (STIKERS /LIGHTS)

*Push your limits ...*

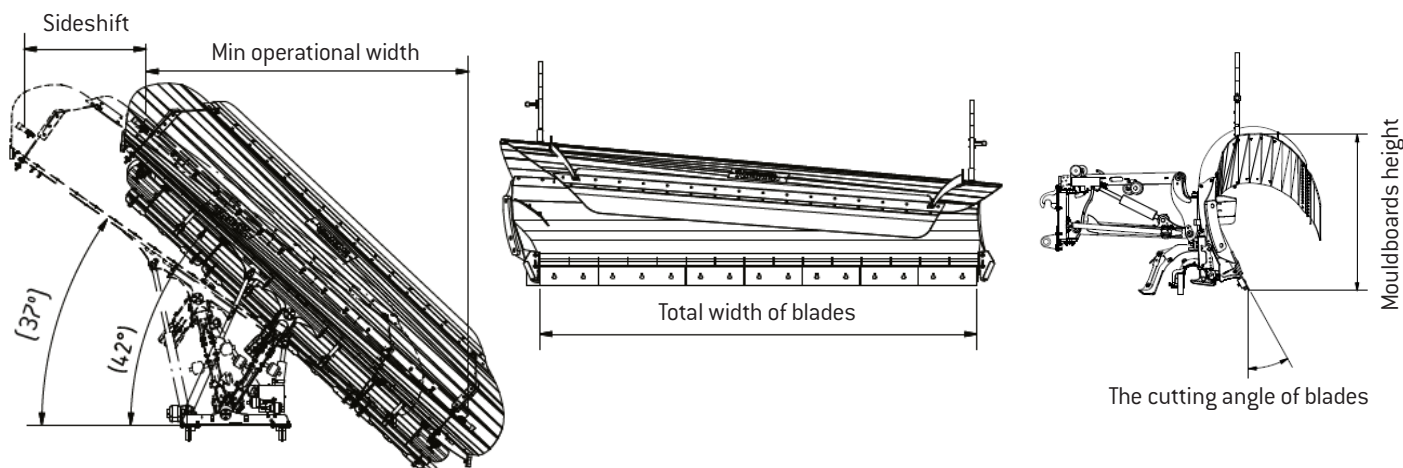
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## TECHNICAL DATA

## MSPN3104 MSPN3404 MSPN3704 MSPN4004 MSPN4604 MSPN5204

TOTAL WIDTH OF MOULDBOARD:	3370 mm	3810 mm	4140 mm	4680 mm	5290 mm	5900 mm
TOTAL WIDTH OF BLADES:	3070 mm	3370 mm	3680 mm	3990 mm	4600 mm	5213 mm
MIN WORK WIDTH OF BLADES*:	2280mm	2505 mm	2730 mm	2960 mm	3400 mm	3900 mm
MAX TURNING ANGLE (LEFT/RIGHT)*:	37°/ 42°	37°/ 42°	37°/ 42°	37°/ 42°	37°/ 42°	37°/ 42°
SIDESHIFT TOTAL (STANDARD PARALLELOGRAM)	1140 mm	1150 mm	1165 mm	1180 mm	1200 mm	1240 mm
THE CUTTING ANGLE OF BLADES (VERTICALLY):	20°	20°	20°	30°	30°	30°
MOULDBOARD STANDARD HEIGHT (LEFT/RIGHT):	1140/1140 mm	1070/1560 mm	1070/1560 mm	1060/1540 mm	1070/1540 mm	1050/1560 mm
WEIGHT WITH STANDARD EQUIPMENT:	870 kg	960 kg	1020 kg	1075 kg	1150 kg	1240 kg
WEIGHT WITH EXTRA EQUIPMENT:	1210 kg	1275 kg	1345 kg	1475 kg	1570 kg	1650 kg

\* - the presented data are valid with the side shifting function.



Patented sideshifting lifting frame (parallelogram)



Patented, road surface copying blade holders clean the road surface and smoothly overcome obstacles



Hydraulic additional blade mechanism with EASY FIX quick release system for rubber blades.

## MAIN ENVIRONMENTAL ADVANTAGES



### Less noise

The patented soft polyurethane material of the blade holders reduces the transfer of vibration to the moldboard, and the noise generated is significantly lower.



### Economical use of the blades

The lifting cylinder with the optional hydraulic batteries allows the plough to be lightened or pressured, as required that ensures an economic use of the blades.



### Saving the road surface markings

The elastic blade holder protects the road surface markings.



### Lower fuel consumption

The aggressive cutting angle of the blades, assists in saving fuel and at the same time ensures a cleaner road surface after just one ploughing.



### Less salt

Maximum copying of the road surface and additional blade system, ensure a clean road surface that reduces the need for using salt.

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MEIREN ENGINEERING OÜ

VÄIKE MÄNNIKU 7 /// TALLINN 11216 /// ESTONIA/// PHONE +372 56 499 190 ///E-MAIL: INFO@MEIREN.EE /// WWW.MEIREN.EE/EN

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