

# NRN "Aligator" MANURE SPREADER

TECHNICAL SPECIFICATIONS | EQUIPMENT



Year of model 2022

**CynkoMet**<sup>®</sup>  
Czarna Białostocka

<b>TECHNICAL SPECIFICATIONS</b>	
Administrative loading capacity	~7,860 kg (8,860 kg with K80 harness)
Technical loading capacity	~10,000 kg*
Gross vehicle weight rating according to PL regulations	~13,000 kg (14,000 kg with K80 harness)
Unladen mass	~ 5,140 kg*
Number of axles	1
Adapter	A2V adapter - 2 vertical drums
Conveyor drive	Hydraulic lock
Adapter drive	Mechanical from the PTO shaft
Length	8,670 mm
Width	2,900 mm
Height	2,925 mm
Length of loading space ext. (góra)	5,350 mm
Width of loading box interior	1,480 / 2,115 mm
Height of loading box walls	1,160 mm
Openable side walls	No
Height of platform from base	1,120 mm
Loading height	2,285 mm
Floor/wall sheet thickness	3 / 3 mm
Loading capacity (loading 5cm above the side walls)	11.3 m3 (heaped 14.8 m3)
Track of wheels	2,350 mm
Suspension	parabolic springs
Max. vertical drawbar eye load	3,000 kg (4,000 kg with K80 harness)
Drawbar coupling height - lower position	~ 515 mm
Max. tolerable axle load	10,000 kg
Tyre size	550/60-22.5
Design speed	40 km/h
Minimum demand for tractor power	66kW/90KM
Spreading width depending on manure used	~8-16 m**

\* - unladen mass and loading capacity may vary depending on equipment

\*\* - spreading width may differ from the specified width depending on the material used

<b>STANDARD MACHINE EQUIPMENT</b>
<b>Structural elements</b>
Side walls bent from 3mm S355 steel sheet, 900 mm high - hot-dip galvanised
Hot-dip galvanised wall extensions 260mm
A2V adapter - 2 balanced inclined vertical drums with bolted knives, with lime board, hot-dip galvanised
The floor and side walls are made of one piece to improve the tightness of the spreader
Rigid drawbar integrated with the frame
Hydraulic advance of conveyor with stepless regulation and overload valve
Hot-dip galvanised hydraulic rear wall
Hot-dip galvanised adapter cover
Hot-dip galvanised front guard, meeting safety requirements
Bolted drawbar diam. 50
Top and bottom frame hot-dip galvanised (structure protected on exterior and interior of profiles)
Hydraulic shaft support partially hot-dip galvanised
Hot-dip galvanised conveyor chain - 14x50 links
Exchangeable hot-dip galvanised conveyor strips made of metallurgical C65 profile
Parking brake made with the assistance of spring membrane cylinders
Hot-dip galvanised removable exterior ladder with anti-skid steps, facilitating access to the load box
Star wheels made of spheroidal graphite iron
Deflectors
<b>Installations</b>
Lighting installation connector cable with 7PIN 12V plug
12V lighting, homologated, LED
Pneumatic two-line braking system with ALB
Hydraulic installations made of galvanised steel tubes and flexible hoses
Hydraulic connectors to tractor, type ISO 7241-1 DN 12.5
<b>Chassis</b>
New 550/60-22.5 wheels
Axles from renowned ADR company, full beam with 100 mm square cross-section, 406x120 brake

*All of our agricultural machines are designed and tested by our design team using the latest available tools. Manufacturing is performed with the greatest diligence and in adherence to rigorous quality standards.*



## Other elements

Two wheel chocks placed in galvanised pockets

articulated PTO shaft

Spring suspension on parabolic leaf springs

Drive shafts coupled to articulated PTO shafts equipped with clutch protecting the transmission: friction and one-way

Exchangeable adapter blades

Exchangeable, galvanised skids of floor conveyor strips

Floor conveyor powered by two transmissions, 4000 Nm each

Wood skids for conveyor chains under upper frame

Hot-dip galvanised bracket for connectors, adjustable

## OPTIONAL MACHINE EQUIPMENT

Hydraulic quick-coupler with pressure neutralizer in hose

New 600/50-22.5 wheels

Wide-angle articulated PTO shaft

Warning triangle

Conveyor's hydraulic feed with electric control in tractor cabin

K80 drawbar hitch (permitted drawbar eye load up to 4,000 kg)

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CONSTRUCTION**

