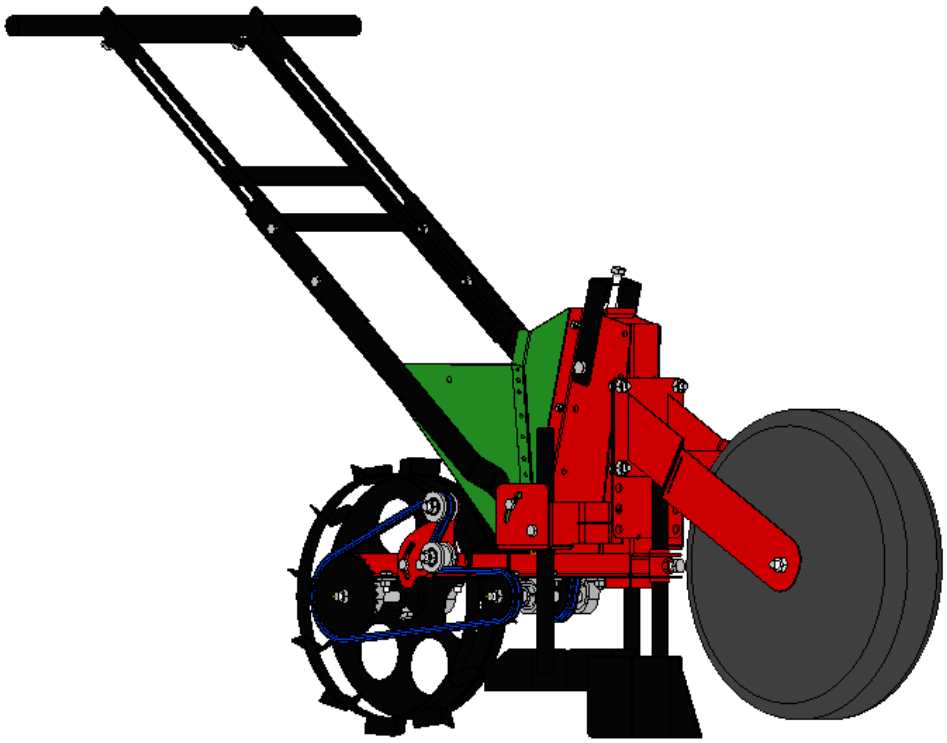
USER MANUAL

OF

A HAND – PUSHED GARLIC – ONION PLANTER “ROPLA-1”



Contact our Customer Service Department with any questions or concerns.

- **www.agrodealer.eu**
- info@agrodealer.eu
- **+37066597880**

SUMMARY

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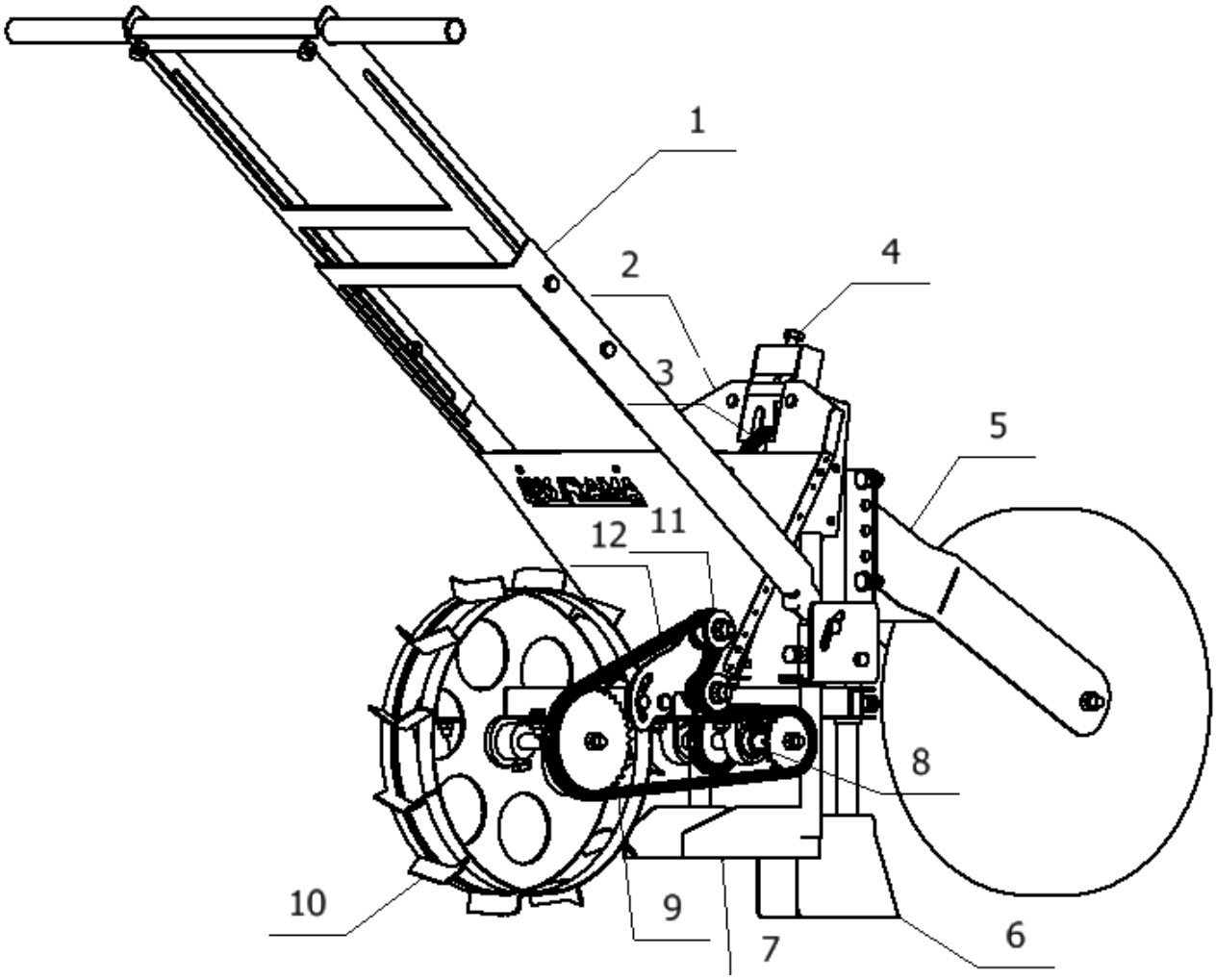
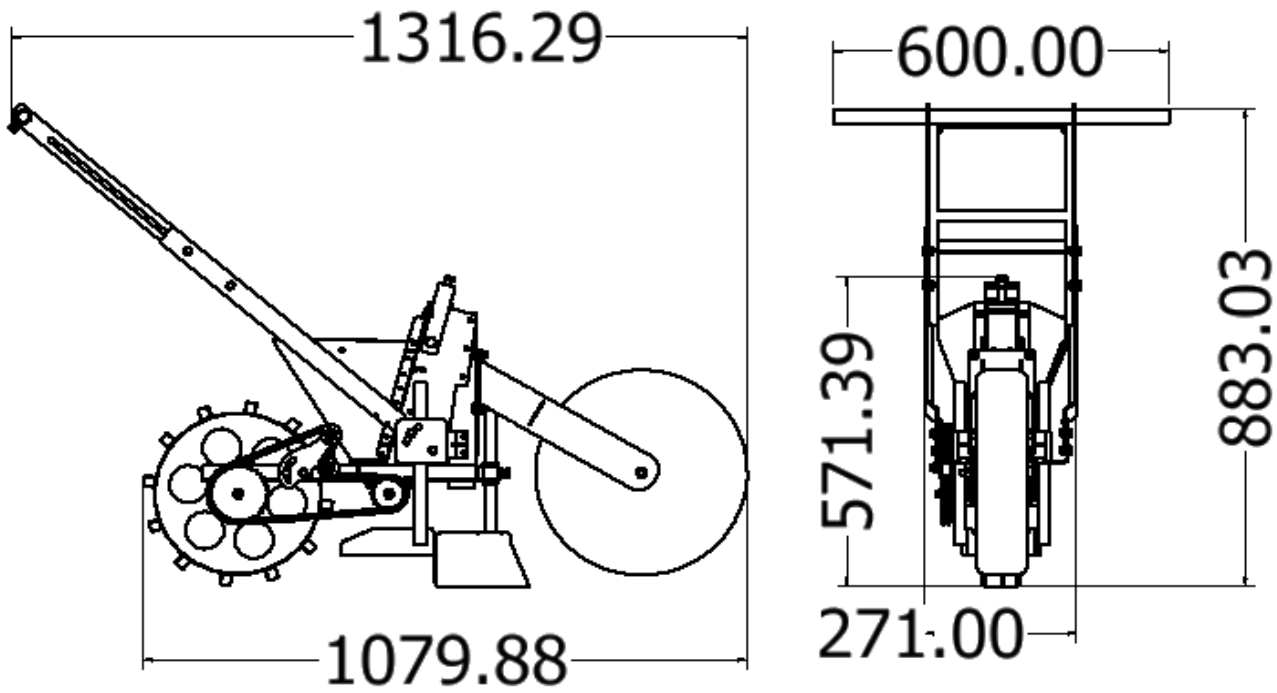
Identification and characteristics



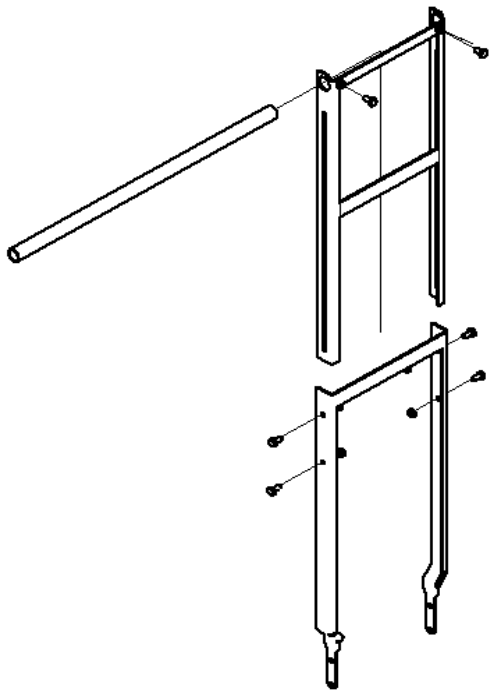
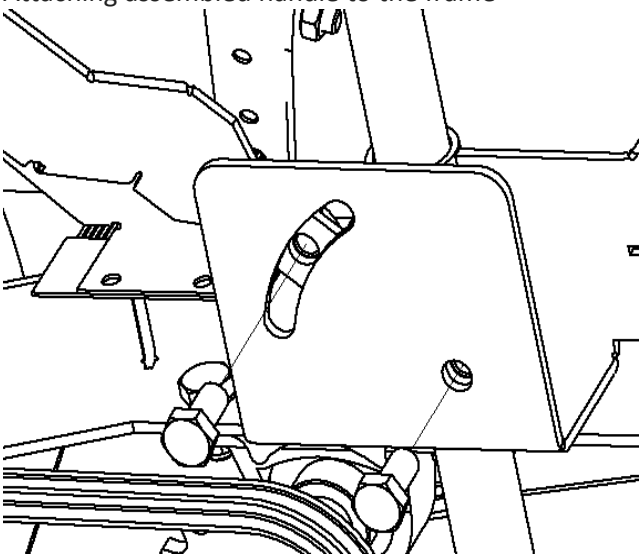
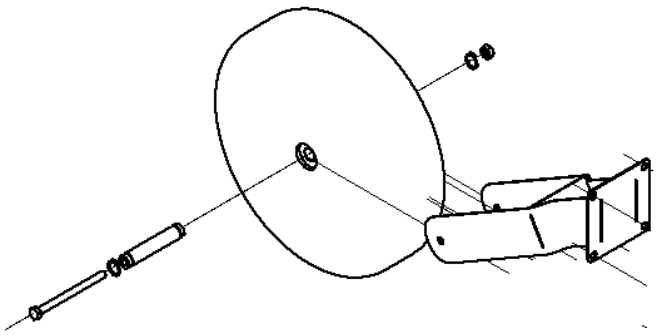
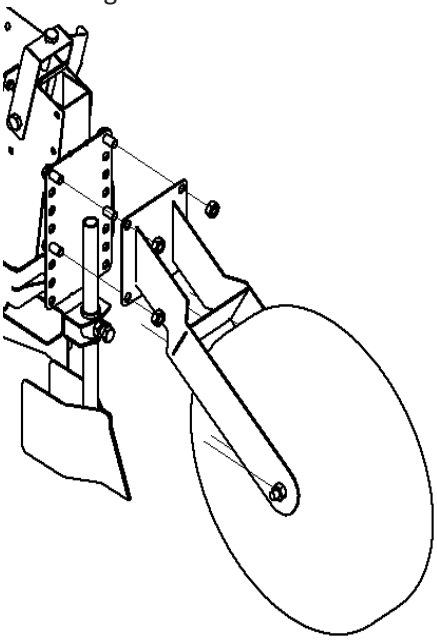
1. height and angle adjustable handle
2. a hopper
3. a chain with buckets
4. a tensioner bolt to control the tension of a chain with buckets
5. a front wheel that can be disconnected to connect the planter to the walk-behind or compact tractor, a robot through a hitch bar, which has to be bought separately
6. a shoe
7. a soil cover
8. a pitch sprocket
9. a driven sprocket
10. a rear wheel
11. a driven roller chain's tensioner
12. a driven roller chain

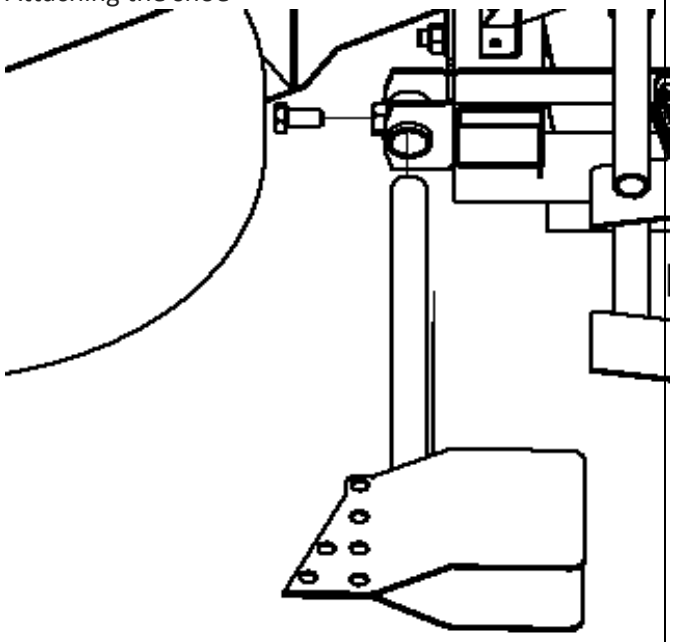
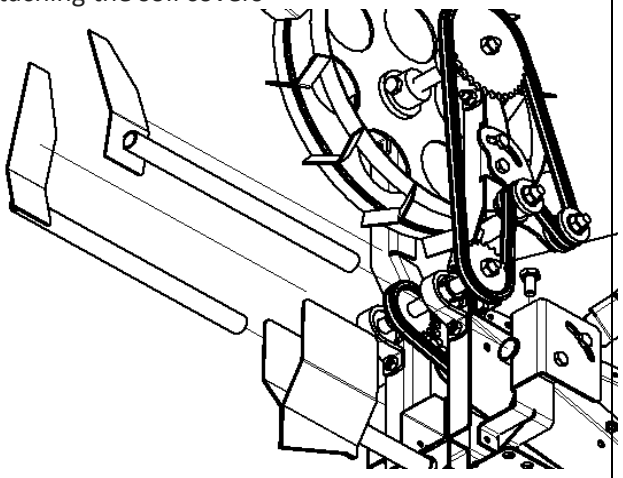
Planter’s technical specifications

number of rows	1
quantity of hopper	1
capacity of the hopper	4 liters
depth of planting	up to 200 mm
weight	14 kg
seed spacing	from 60 mm till 200 mm
dimensions	



Assembly guide

Assembly of the handle 	Attaching assembled handle to the frame 
Assembly of the fork 	Attaching fork to the frame 

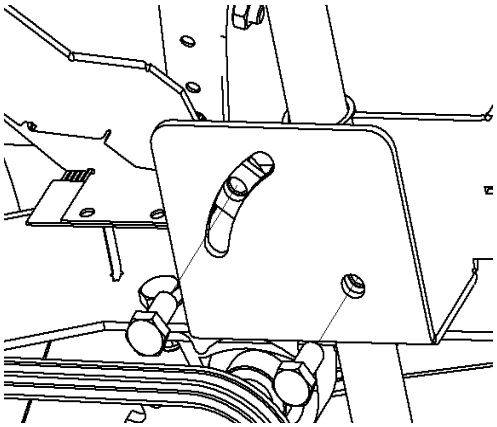
Attaching the shoe	Attaching the soil covers
	

Cautions of use

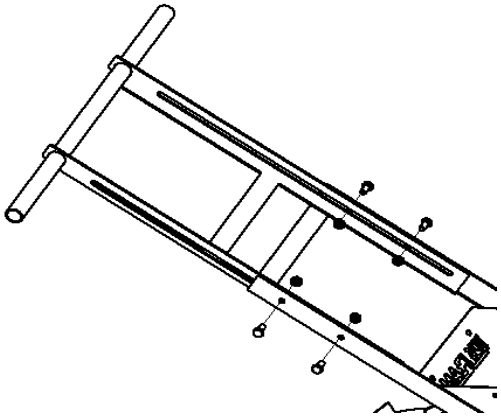
- Lubricate both chains
- Check regularly:
    - a tension of a driven roller chain
    - a tension of a chain with buckets
    - a depth of a shoe
    - a depth and position of soil covers

Settings

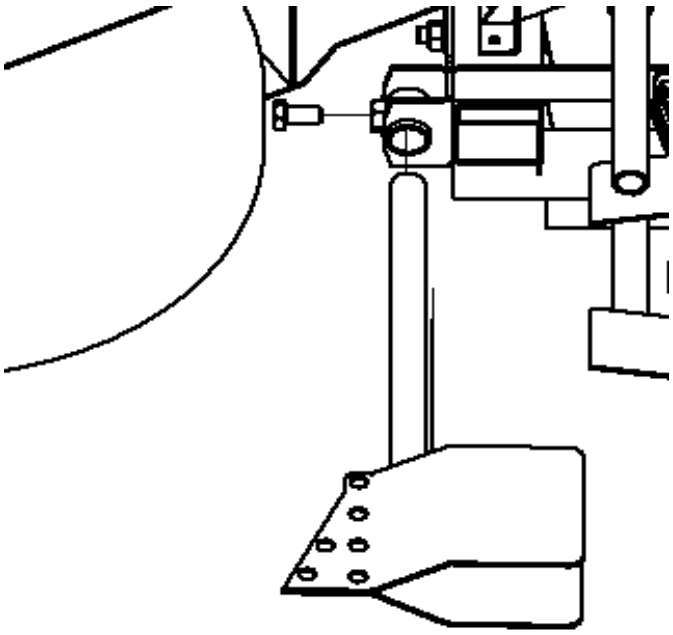
- Changing angle of handle (the angle of handle can be adjusted by loosening bolts and changing angle of handle):



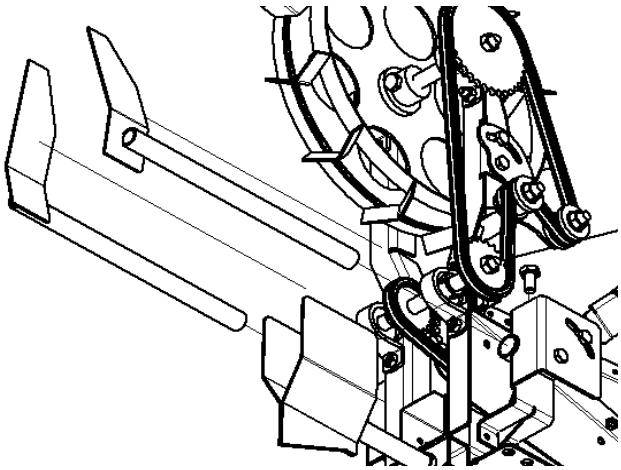
- adjusting height of handle (the handle height can be adjusted by loosening bolts and by adjusting handle's height according to your needs):



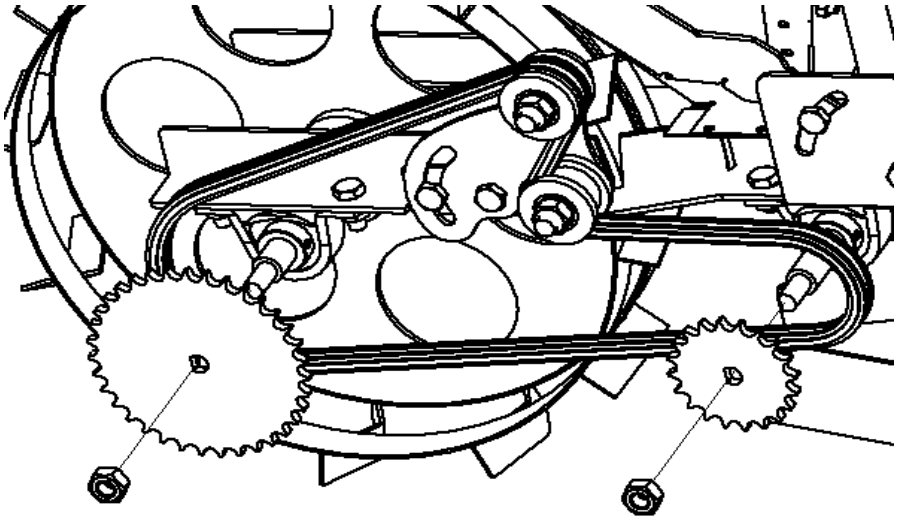
- Adjusting planting depth (planting depth may be adjusted by lowering or raising the shoe):



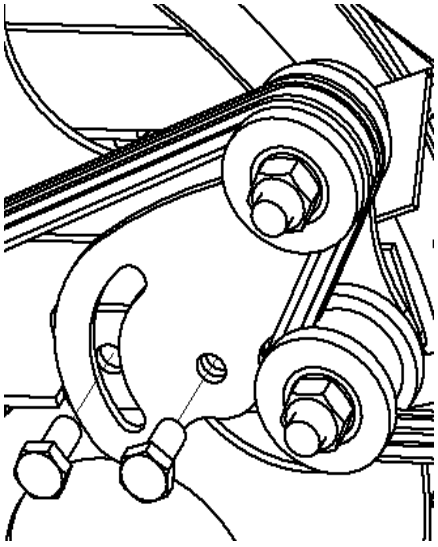
- Adjusting soil covers (adjust the angle of the filler blade for optimal soil cover):



- Changing sprockets to change planting density (loosen bolts and take out the sprockets. Replace them with another size of sprockets and tighten with a nut. See the section – “Planting density” to see what combination of sprockets to use to create certain distance between planting material in a row):



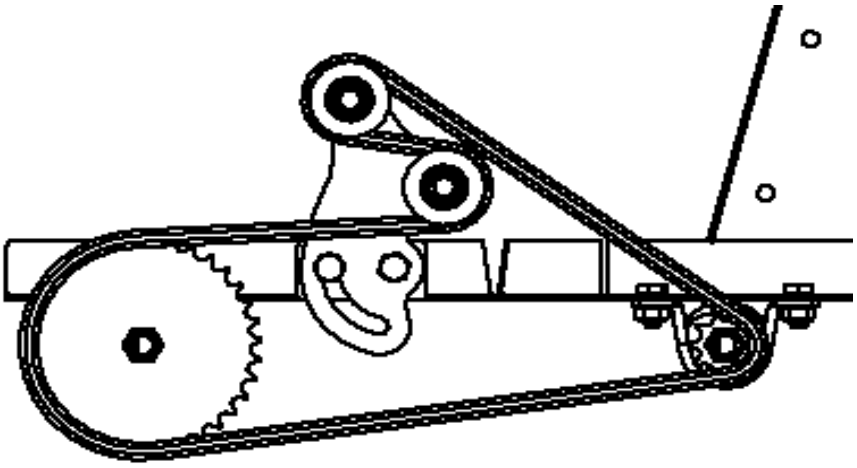
- Don’t forget to loosen bolts and adjust a driven roller chain’s tensioner to suit chain’s length (see the section – “tensioner’s position depending on sprockets combination” to see at what position tensioner has to be placed for correct chain’s tension):

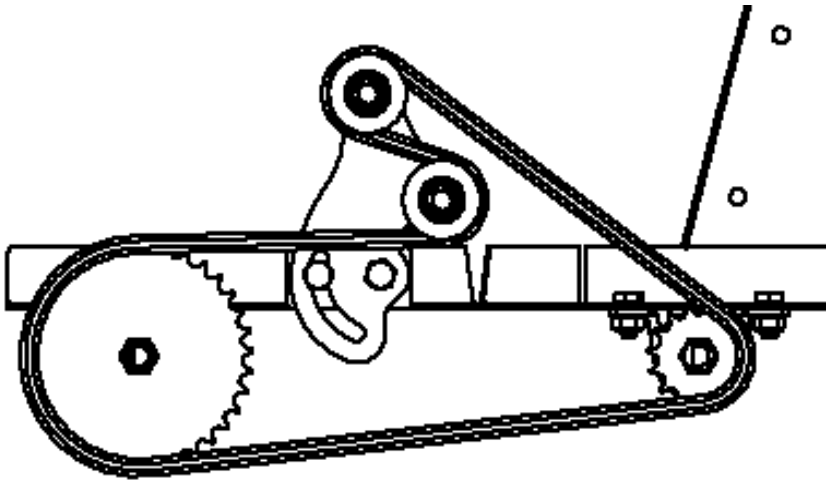
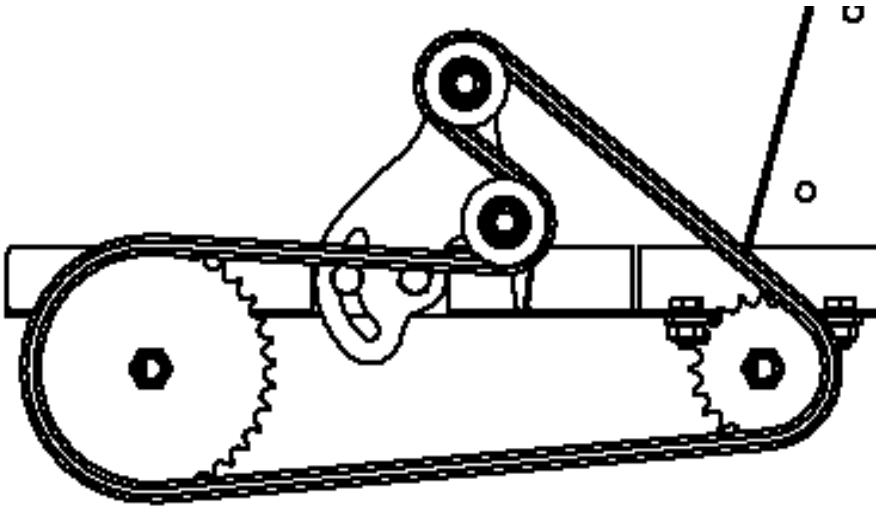


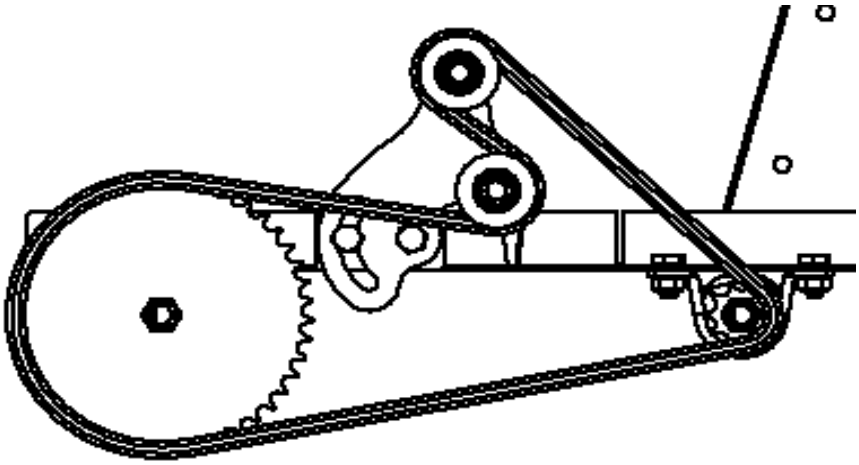
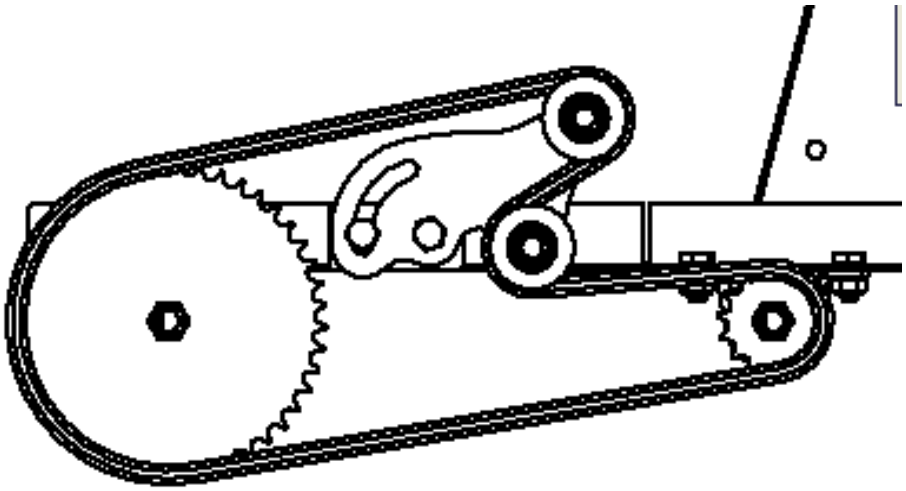
Planting density

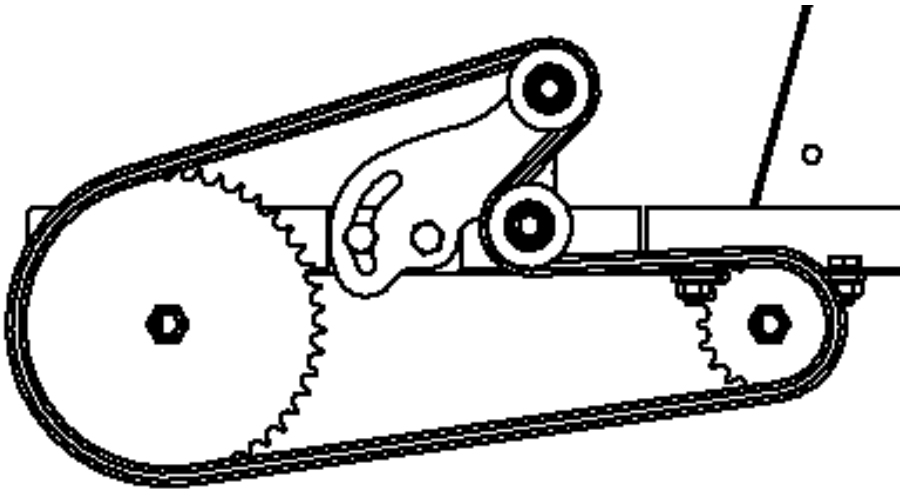
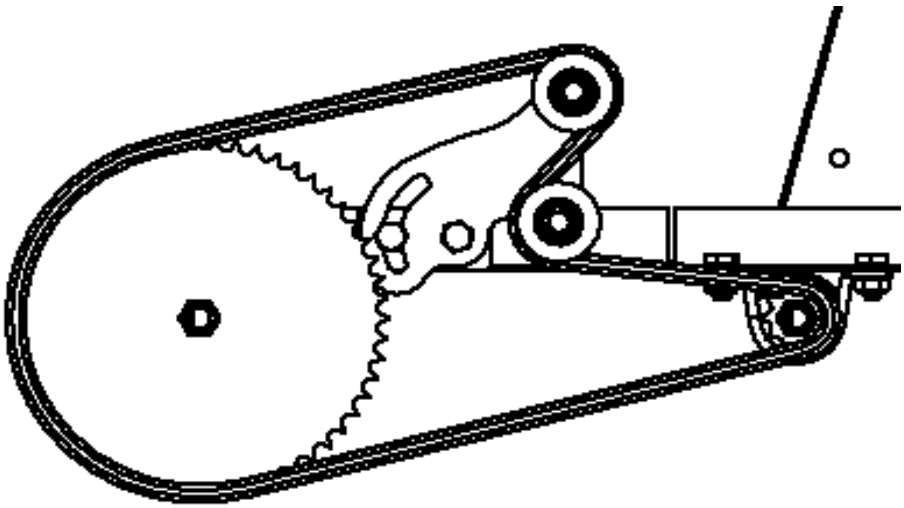
To change a planting density you have to change sprockets' combination. Planter's default composition includes 3 driven sprockets and 3 pitch sprockets. Below you can find a table, which indicates what sprockets combinations are available, what planting density you will have with this combination and a picture to provide you with a view of how the chain has to be placed in order to be able to tension the chain correctly.

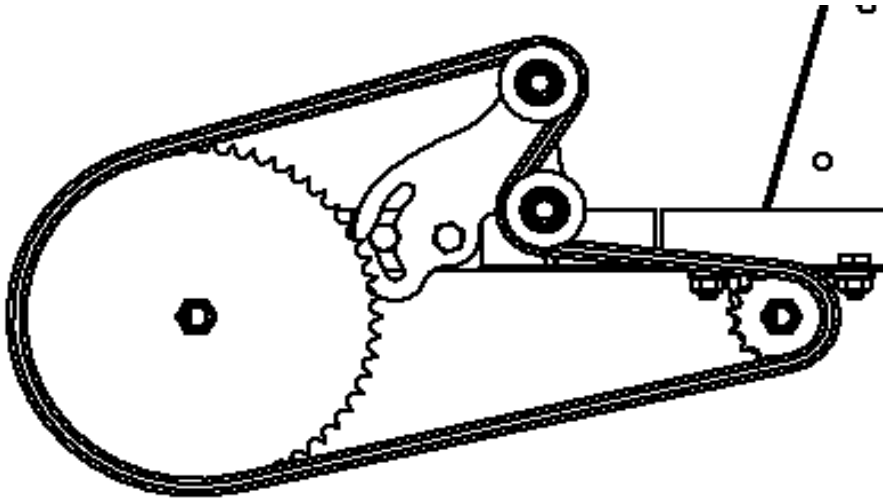
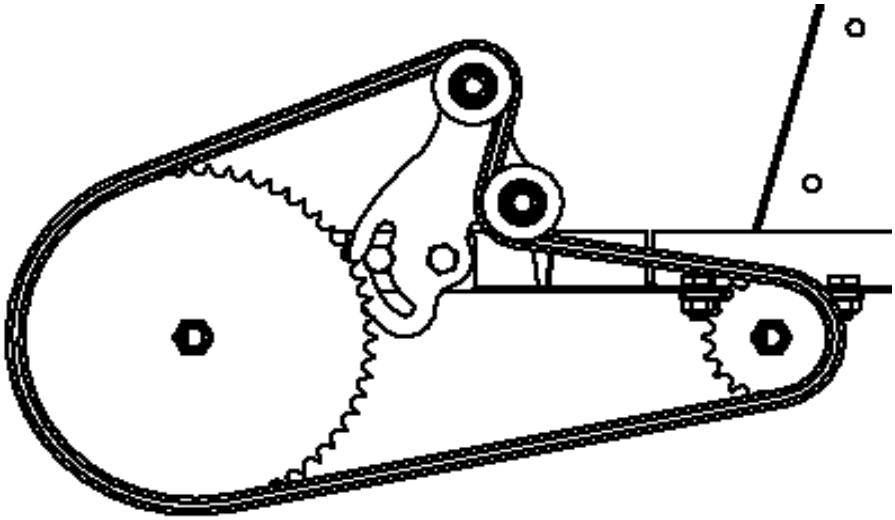
The length of the chain is 100 cm.

Number of teeth of a driven sprocket	**Number of teeth of a pitch sprocket**	**Distance between planting material in a row**	**Position of the tensioner and path of driven roller chain**
35 teeth	10 teeth	10 cm	

35 teeth	15 teeth	14 cm	
35 teeth	20 teeth	20 cm	

45 teeth	10 teeth	7 cm	
45 teeth	15 teeth	11 cm	

45 teeth	20 teeth	16 cm	
55 teeth	10 teeth	6 cm	

55 teeth	15 teeth	9 cm	
55 teeth	20 teeth	12 cm	

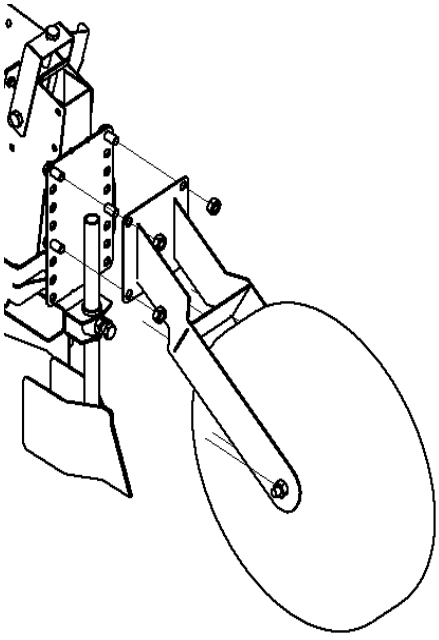
Diameters of buckets

A standard planter's composition includes 4 chains with different diameters of buckets. Each chain uses 13 buckets. There are 4 different diameters of buckets:

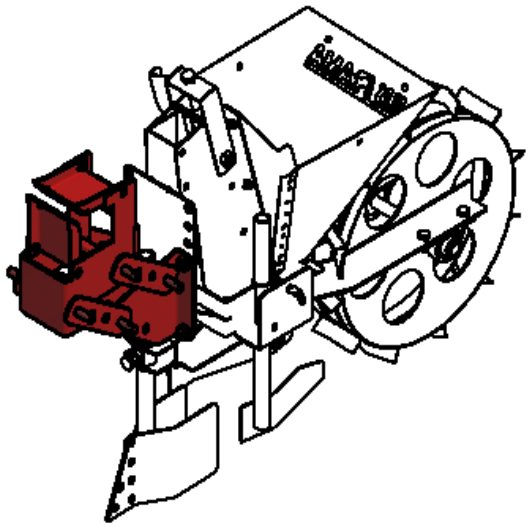
Diameter of bucket	Name of vegetable to which bucket's size is the best to plant
16 mm	round onion sets, beans, pumpkin seeds
25 mm	elongated shape onions, spring garlic cloves
31 mm	Autumn garlic cloves
38 mm	Autumn garlic cloves

Using planter as an attachment

It's possible to use planter as an attachment to a walk-behind, compact tractor, or any other normal-size tractor or even robot. To do that you have to disconnect front wheel:

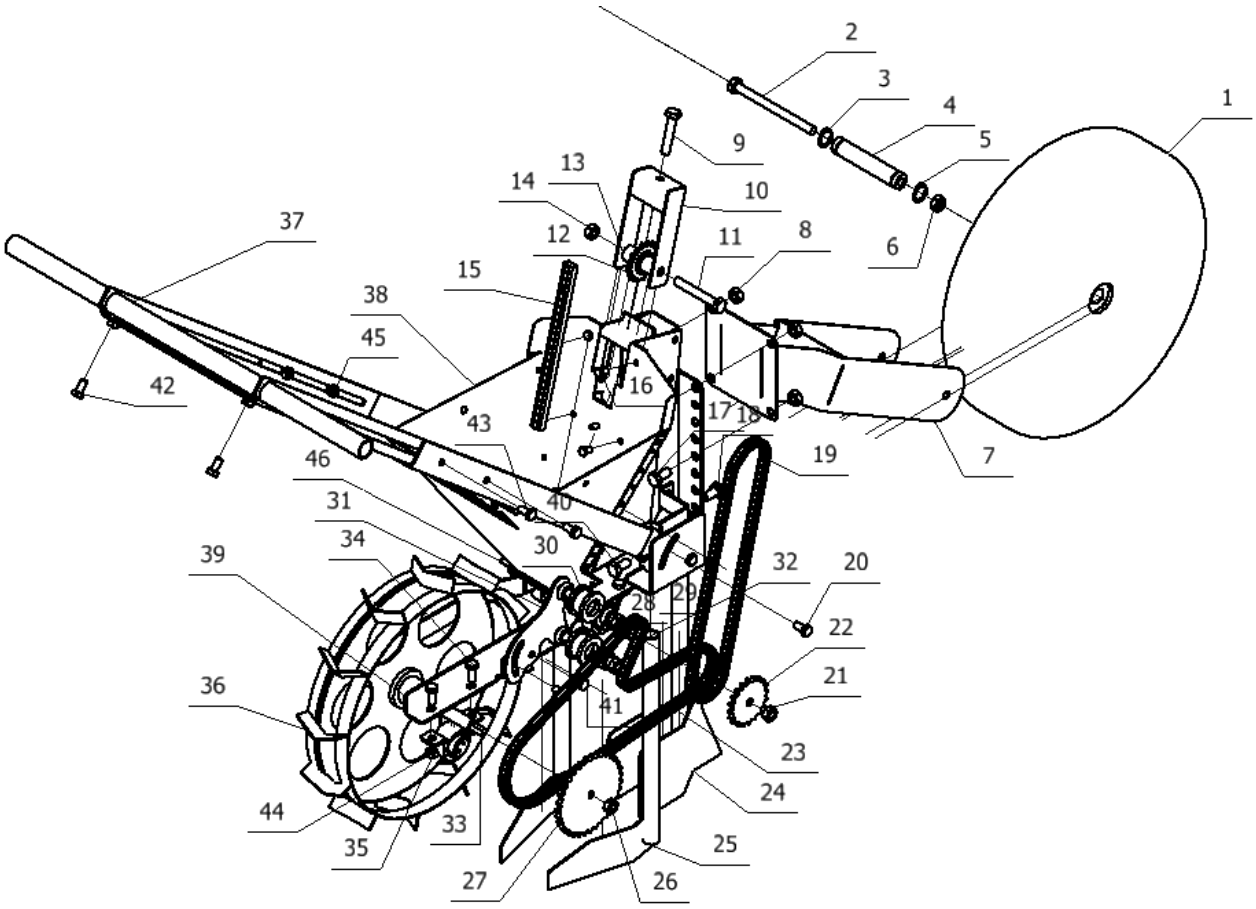


There are different adjustable tool carriers that are used to connect the planter to a certain tractor. They are not included in the standard planter's composition.

adjustable tool carrier	Used to connect planter to
	Tractor’s frame made of square tube of 50 x 50 mm

If your walk-behind tractor is not listed don’t warry - we will make an adjustable tool carrier for you according given specifications.

Spare parts



№	name	quantity
1	pneumatic wheel 380X4K	1
2	M10 x 130 screw	1
3,5	external ring (⌀20)	2
4	round tube (20 x 5 – 108.742 mm)	1
6, 8, 14, 21, 26	M10 nut	7
7	fork	1
9	M10 x 50 screw	1

10	tensioner	1
11	M10 x 70 screw	1
12	Sprocket with bearing (06B-1, z=16, 6200 RS)	1
13	Round tube (20 x 5 – 20 mm)	2
15	chain rail guide (10x15, 218 mm)	1
16	M6 x 10 screw	6
17, 18, 40	M10 x 20 screw	7
19	chain 06B-1 with 13 cups of different diameter	4
20, 41, 42, 43	M8 x 16 screw	12
22	a pitch sprocket (06B-1, z=10, z=15, z=20)	3
23	a driven roller chain (06B-1, l=1000 mm)	1
24	a shoe	1
25	soil cover	2
27	a driven sprocket (06B-1, z=35, z=45, z=55)	3
28, 44, 45	M8 nut	20
29	bearing 61900 2RS	4
30	plastic roller	2
31	tensioner	1
32	front axle (⌀15, L=180 mm)	1
33	rear axle (⌀15, L=200 mm)	1
34	M8 x 20 screw	8
35	bearing SB 202 MGK + housing PP 203 MGK	4
36	rear wheel (⌀300 mm)	1

37	a handle	1
38	a hopper	1
39	A frame	1
46	Brush (ALU H5-35, l= 60 mm)	2

LT *rankinė česnakų sodinamoji* **EN** *hand-push garlic planter*

ATITIKTIES DEKLARACIJA / EC DECLARATION OF CONFORMITY

Gamintojas:
Manufacturer: **UAB JUSRAMA**

Adresas:
Address: **Rozalimo g. 19-6, Pakalniškiai, 82212, Lietuva**

Įmonės kodas:
Identification Number: **306667014**

Prekės pavadinimas - tipas -serijinis numeris:
Product name –type – serial number: **česnakų sodinamoji garlic planter** | **ROPLA-1**

Aprašymas / Description

Česnakų sodinamoji ROPLA-1 stumiama rankomis naudojama ūkininkams ir daržininkams palengvinti česnakų sodinimą.

The ROPLA-1 garlic planter is hand-pushed equipment making the work of farmers and gardeners easier when they plant garlic.

Produktas atitinka visas atitinkamas nuostatas:
The product meets all relevant provisions: Mašinų direktyva 2006/42/EC
Machinery Directive 2006/42/EC

Techniniai standartai taikomi vertinant atitikties deklaraciją:
The harmonized technical standards and technical standards applied to the conformity assessment: EN ISO 12100-2:2003, EN 1050:1996

Atitikties įvertinime naudojama procedūra:
To the conformity assessment applied procedure: Mašinų direktyva 2006/42/EC, straipsnis 12, priedas VIII
Machinery Directive 2006/42/EC, Article 12, Annex VIII

Patvirtiname, kad nurodytas įrenginys atitinka aukščiau nurodytų direktyvų reikalavimus.
We declare that the through above mentioned specifications defined equipment complies with requirements of above cited Directives.

Išdaviumo vieta:
Place of issue: Pakalniškiai

Išdaviumo data:
Date of issue: 01.7.2024

Pasirašyta įmonės įgalioto žmogaus:
Signed by the person entitled to deal in in the name of producer:

Vardas: Name: Ramūnas Šiaulys	Pareigybė: direktorius Grade: director	Parašas: Signature:	Antspaudas: Stamp: UAB Jusrama