

## Set of tools for straightening rims wheels

### 1. PURPOSE OF THE PRODUCT

Set of devices is intended for restoration of deformed flanges and flanges of wheel rims of passenger cars and motorcycles on tire installation machine.

### 2. COMPLETENESS

2.1 Accessory No. 1 - for editing of wheel rim shelf - 1 pcs.

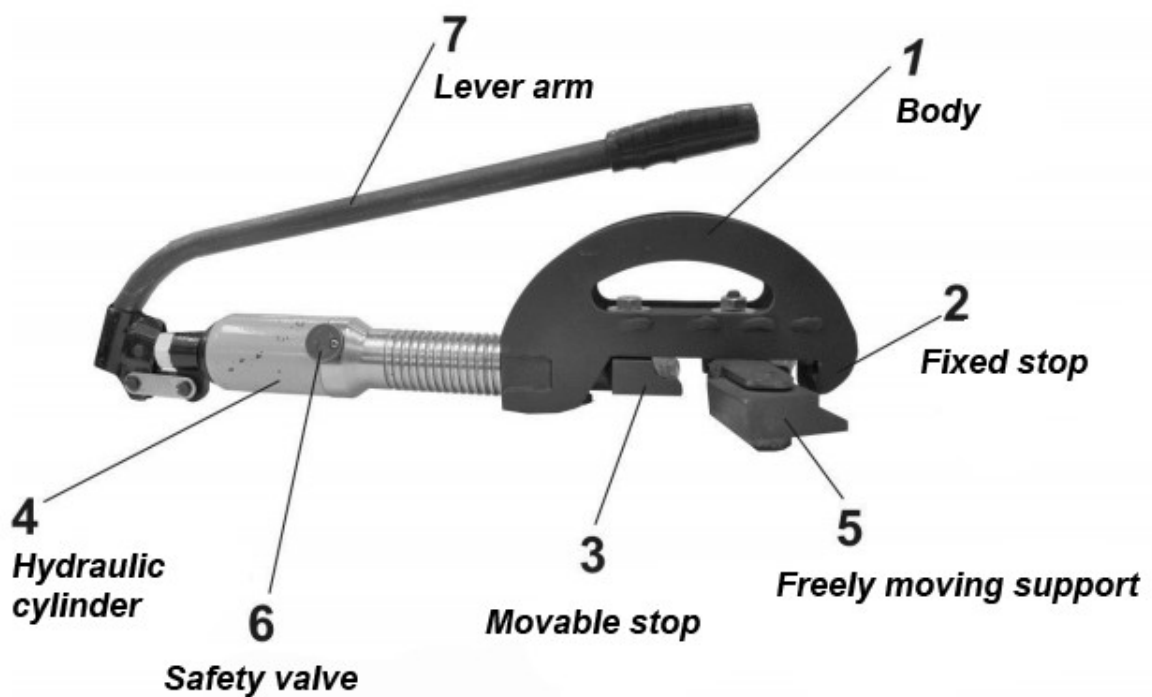
2.2 Accessory No. 2 - for wheel rim edge correction - 1 pcs.

2.3 Operating Manual - 1 pc.

### 3. DEVICE

3.1 Accessory No. 1 (Pic 1)

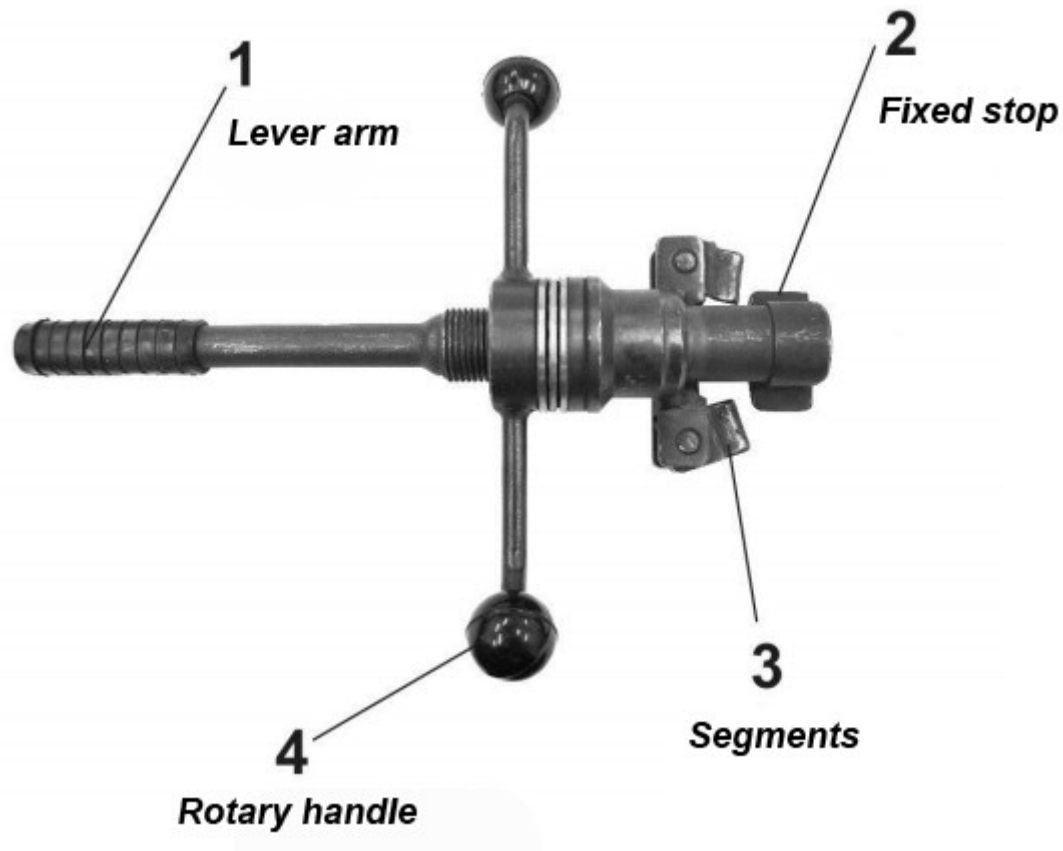
- With hydraulic manual drive



Pic 1

### 3.2 Accessory No. 2 (Figure 2)

- With screw manual drive



Pic 2

## 4. TECHNICAL CHARACTERISTICS

4.1 Objects of restoration - stamped and cast wheels

4.2 Diameter of restored wheels - 10 "-20"

4.3 Maximum hydraulic drive force - 5 tons

4.4 Weight of accessory No. 1 - not more than 10 kg.

4.5 Weight of accessory No. 2 - not more than 4.2 kg.

## 5. OPERATING PROCEDURE

5.1 Preparatory work:

5.1.1 Clean the wheel from contamination.

5.1.2 Define and mark the place of editing as small.

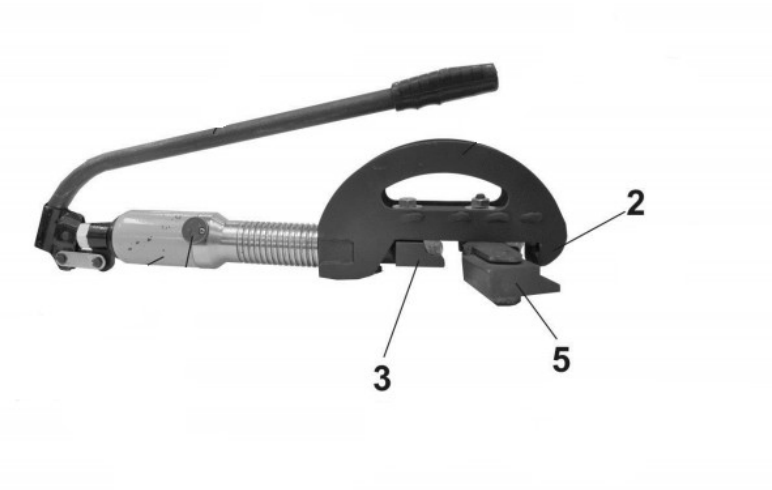
5.1.3 Attach the wheel on the table of the tire installation machine

## 5.2 Edit Rim Shelf: (Before editing the rim)

### 5.2.1 Editing of landing shelf bulge

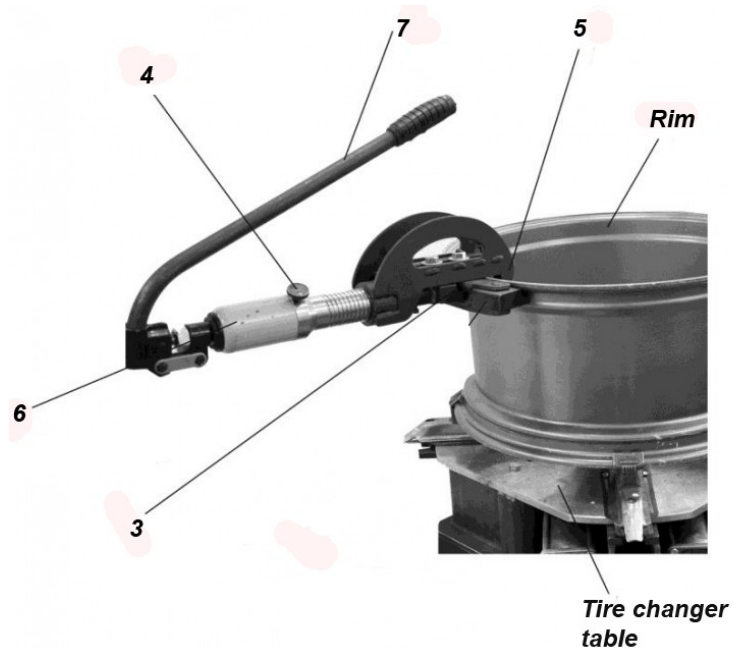
5.2.1.1 Move freely moving stop 5 accessory No. 1

Close to fixed stop (2) (Pic 3).



**Pic 3**

5.2.1.2 Install accessory No. 1 on designated by chalk the place. At that stop (5) must be in contact with rim diameter, and movable stop (3) must be at some distance from rim landing flange (Pic 4)



**Pic 4**

5.2.1.3 Move stop (3) until contact with rim flange, turn

Hydraulic cylinder (4) clockwise. Tighten flywheel (6) of hydraulic cylinder safety valve until stop.

5.2.1.4 Move stop (3) by rocking movements of handle (7) to fix deformed section of rim.

5.2.1.5 Remove flywheel 6 and remove accessory No.1 from the wheel.

5.2.1.6 Check the results of the editing and, if necessary, the editing process to repeat.

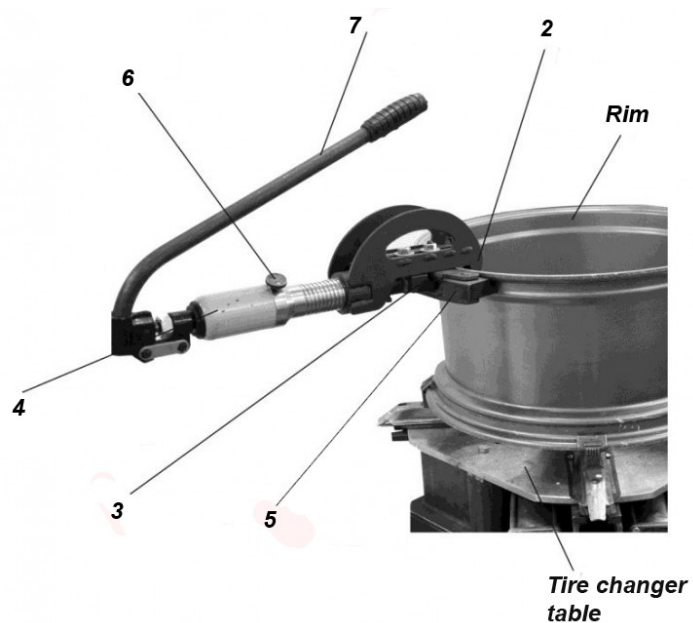
#### 5.2.2 Edit the concavity of the rim landing shelf

5.2.2.1 Move freely moving stop 5 accessory No. 1 Close to movable stop (3) (Pic 5).



**Pic 5**

5.2.2.2 To install adaptation No. 1 on the place designated by chalk. At that stop (5) should touch rim flange, and stop (2) - at some distance from deformed section of rim landing flange (Pic 6).



**Pic 6**

5.2.2.3 Move stop (2) until contact with deformed section of rim flange by turning hydraulic cylinder (4) clockwise. To wrap a flywheel 6 Safety valve of hydraulic cylinder until stop.

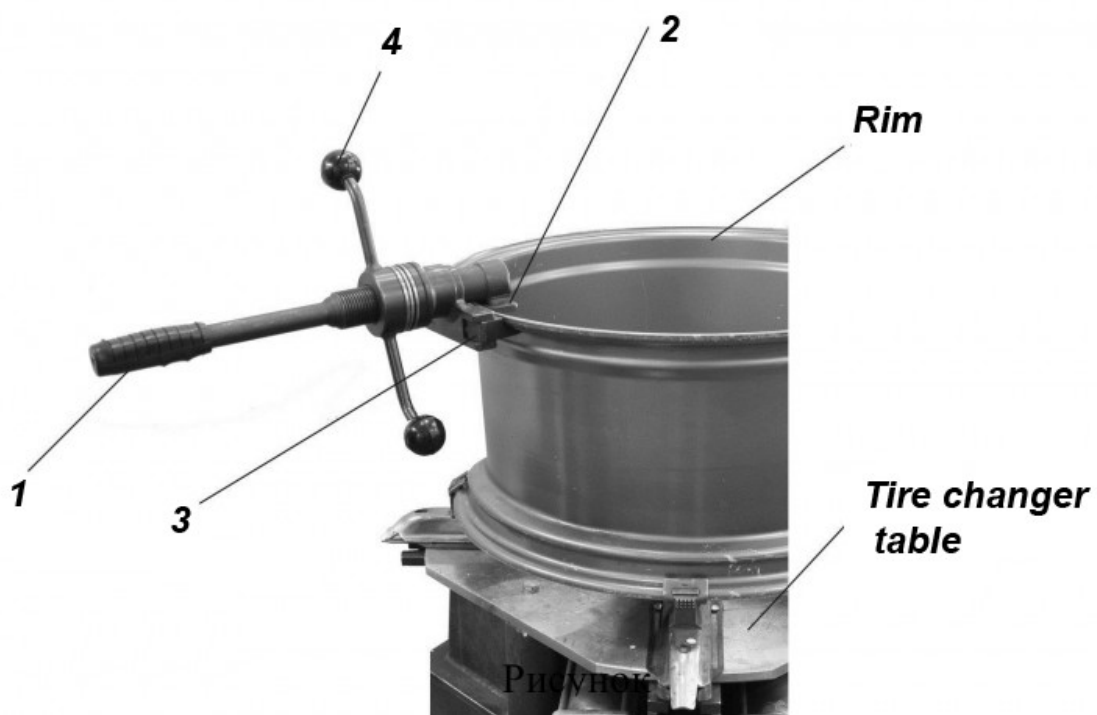
5.2.2.4 Move stop (2) by rocking movements of handle (7) to fix deformed section of rim.

5.2.2.5 Remove flywheel 6 and remove accessory No.1 from the wheel.

5.2.2.6 Check the results of the editing and, if necessary, repeat the editing process.

### **5.3 Edit rim flange:**

5.3.1 Install accessory No. 2 on the wheel rim (Pic 7)



**Pic 7**

That stop 2 touches the deformed section, and segments 3 would be  
At some distance from the rim shelf.

5.3.2 Turn handle (4) clockwise to correct the defect.

5.3.3 Apply force in horizontal plane to align the flange On handle (1)f