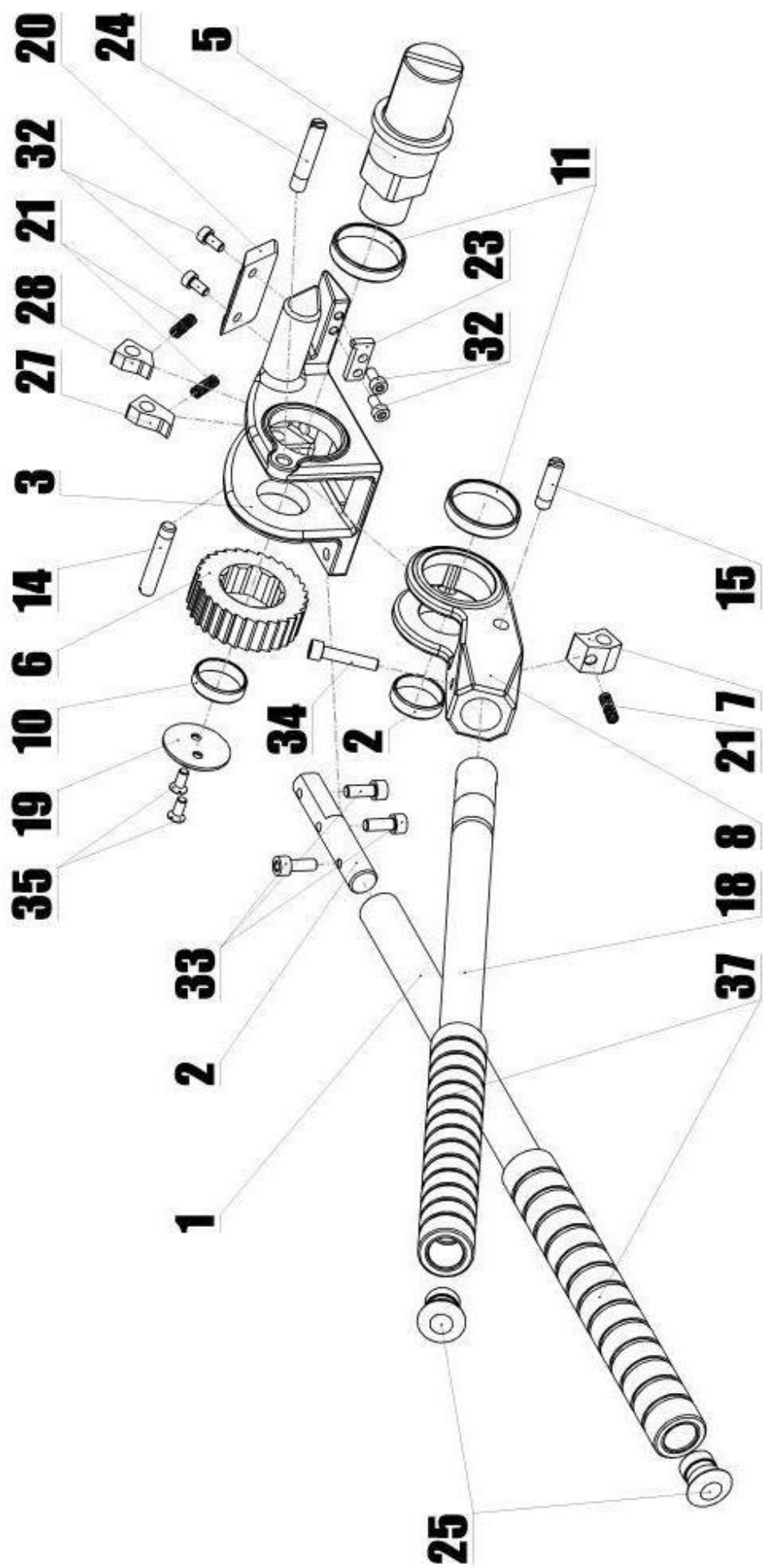


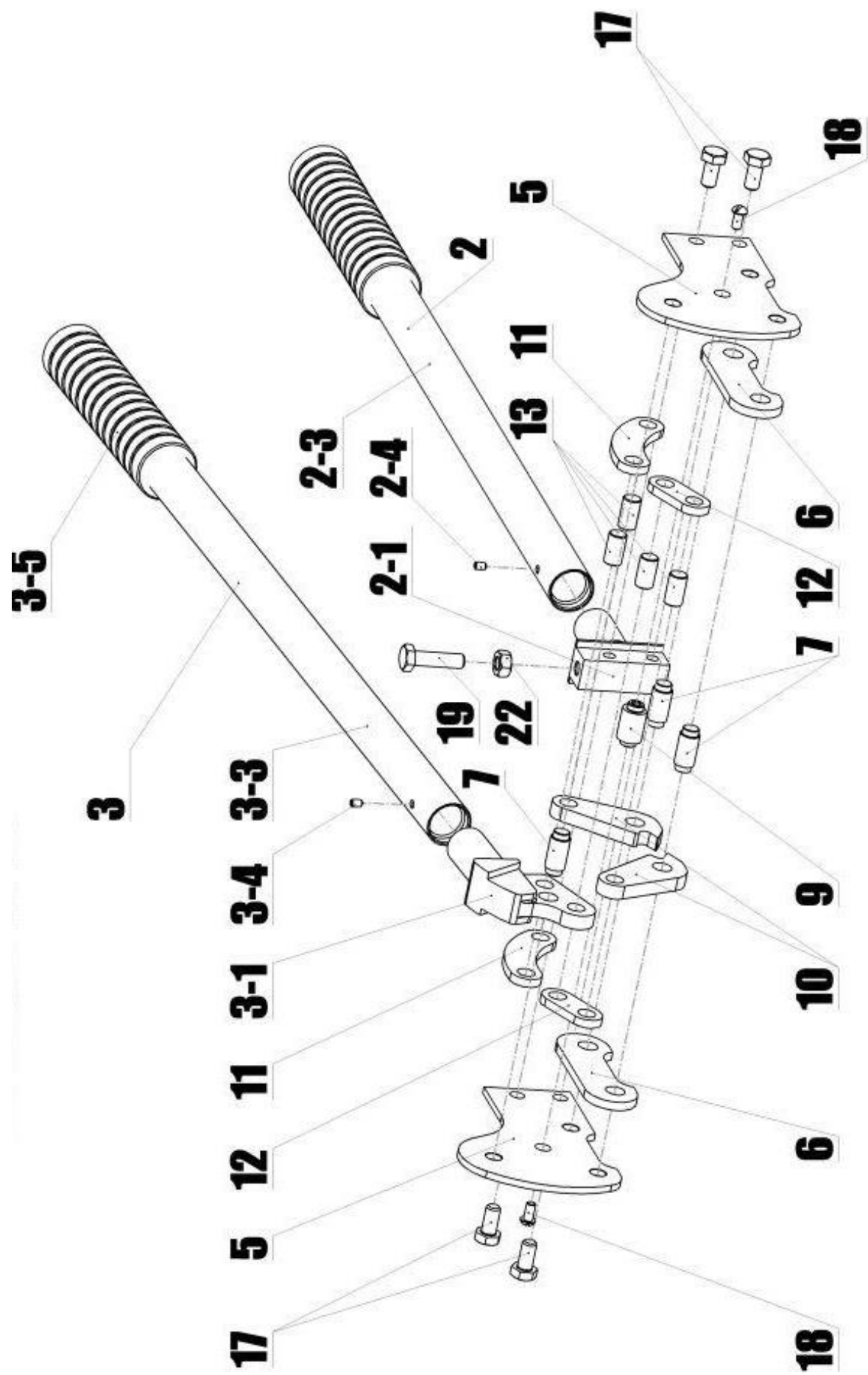
**MECHANICAL TOOLS FOR STEEL STRAPPING
BULLDOG TENSIONER & CLIP SEALER**

OPERATING INSTRUCTIONS



Before using the tool, read the instruction carefully





GENERAL INFORMATION

Operating instructions for mechanical tools for steel strapping is design for acquainting with tools and principles of their operation and information concerning safe and right use of the tool.

ATTENTION: These operating instructions must be read by all persons concerned with work on strapping tool.

1. PURPOSE

1.1. The tool can be used in various branches of industry in making up of freight units, particularly shipping bundles of metal rolling, pipe, brick; their use at packing of transport packages with round form of small diameter especially recommended.

1.2 The devise is intended for strapping of freight with steel strap up to 1 1/4" (32mm) wide, thickness should be 0,024 - 0,039" (0,6 - 1 mm), formation of the metal lock with the help seal.

1.3. Formation of the metal lock is made with the help of sealer.

1.4. Tools can be used inside as well as outside in all climatic zones.

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2. TECHNICAL DATA

- 2.1. Strapping tape tension force, N, 4500 - 8400;
- 2.2. Overall dimensions of tension tool, MM.....610x126x65;
- 2.3. Weight of tension tool, lbs. (kg).....8,4 (3,8);
- 2.4. Overall dimensions of sealer670x120x40;
- 2.5. Quantity of bites through the strap.....1 pair;
- 2.6. Weight of sealer, lbs. (kg).....5,5 (2,5).

3. COMPLETE SET

3.1. Complete set for shipment consists of:

- BULLDOG TENSIONER, pcs..... 1;
- CLIP SEALER, pcs..... 1;
- Operation instructions, pcs..... 1.

Notes.

1. Separate delivery of tension tool and sealer is possible.

4. ARRANGEMENT OF TOOLS.

4.1. Bulldog tensioner (pic. 1) consist of housing 3 in which tension and cutting mechanisms of the strap are placed.

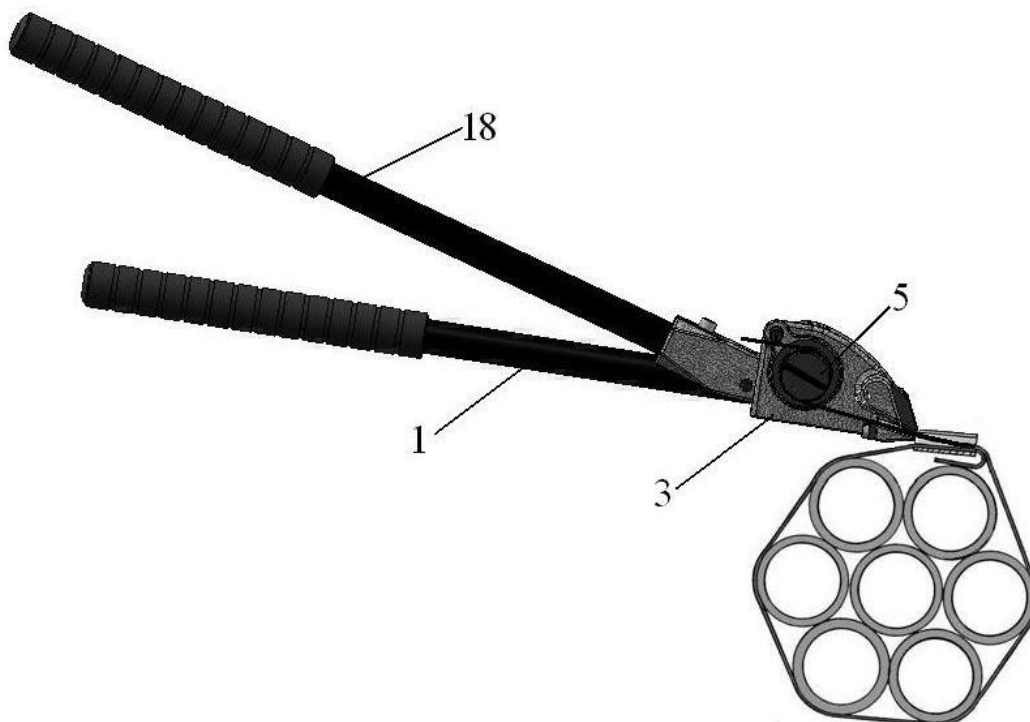
4.2. Tension mechanism of the strap consist of shaft 5, block wheel 6, connected with shaft, pawls 7, 27, 28, shoe 8, connected with lever 18, connected with housing stationary lever 1 and toe 20, with the help of which breaking of the strap will be made.

4.3. On housing 3 are places screws (stoppers) 23, 24.

4.4. Tool for sealing of the strap by biting of seal Clip sealer (pic.2) consist from two motionless stoppers 6, two jaws 10, two motionless shafts 7, motion shaft 13, two links 11 and two links 12, motion lever 3-3 with lever 3-1, motionless lever 2-3 with plate 2-1, fixed between two plates 5, fastened between each other with the help of shaft 9 and screws 17, 18. Jaws 10 through links 11 and 12 co-operates with lever 3-1.

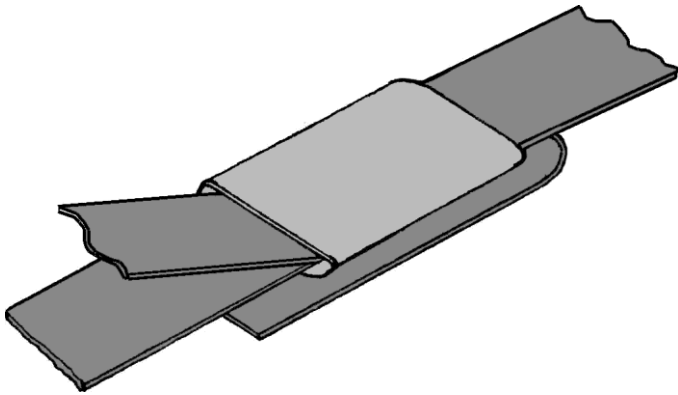
5. ORDER OF WORK

5.1. The principle of work of tools consists in a tension of the strap, tied round packed object, and breaking of free end of the strap after formation of the lock using seal. The example of strapping without use of the sealer is shown on pictures 3, 6, 7.



Pic. 3

5.2. Cover packed object by metal strap. Pass the bottom end of the strap through seal and bend it how it is shown on pic. 3, 4. The top end of the strap passes through seal and pull for it, having chosen thus the strap which has sagged round object. That the strap has not slipped out back from seal, unbend upwards its end slightly by seal.



Pic. 4



Pic. 5

5.3. Take tool by left hand by two levers near to housing 3 and establish it before seal, resting the end of housing to the seal. By right hand get top end of the strap between housing and toe 20, pass it through slot of the shaft 5, unfolded preliminary according to a direction of the strap. Pull up by hand the free end of strap and unbend it downward after a shaft. Lower end of strap, going out from seal, passes under housing 3.

5.4. Get the tool by left hand for a lever 1 and by the right hand for lever 18 and make tension of the strap by several moving of right hand “from yourself” and “to yourself”, providing needed tension of the strap.

5.5. For formatting of lock using clip sealer take the tool for motionless lever 2, motion lever 3 move “from yourself”, impose the tool on seal (sealer with seal should be located close to tension tool) and make deformation and biting of seal with the strap with making lock by return move of lever 3 (“to yourself” and down) (pic. 5).

5.6. Move away lever 1 “from yourself” till stop and remove sealer from seal.

5.7. Set sealer again to the seal, moving it close to the protrusions of made lock and make again Par. 5.5.

5.8. Turn tension tool for lever 18 several times “from yourself” and “to yourself” till the strap will broke.

5.8. Make free tension tool from strap by turning of lever 18, and remove from shaft 5 cut piece of strap.

6. TECHNICAL SERVICE AND REPAIR

6.1. Check not rare than once a week screwing of all outwards screws of tension tool and sealer.

6.2. If have questions about repairing and getting spare parts please contact with the company the manufacturer of with their official dealers.

7. STORAGE AND TRANSPORTATION RULES

7.1. Tool should be kept in an apartment in the preserved kind.

7.2. It is possible to choose any way of transportation of the tool as packed in carton as single items packed in paraffin paper.

8. CUSTOMER ACCEPTANCE CERTIFICATE

8.1. BULLDOG TENSIONER, Serial No. _____ and CLIP SEALER serial No _____ are met technical specifications and declared suitable for using.

Date of selling _____

S.P.

Sign _____

9. WARRANCY POLICY

9.1. The manufacturer guarantees perfect work of tools Bulldog Tensioner and Clip Sealer during 12 months from the date of shipment if all operating rules are observed.

9.2. Guarantee repair is made by manufacture or his representative at his place or at customer's place according to their agreement. Repair after expiration of guarantee term is made by manufacturer or his representative according to additional agreement.

