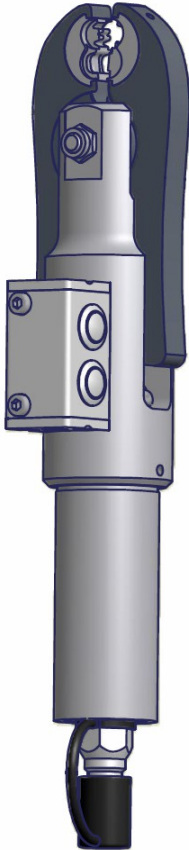


OPERATION MANUAL



HEAD TYPE GRT_1

SWW 0792

#VGRT1120103

PKWiU 29.56.25-90.00

Producent / Producer / Производитель

**Zakłady Metalowe ERKO R. Pętlak spółka jawna
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Thank you for buying our product. Before using this equipment, please carefully read the user and the maintenance manuals.

* ERKO has the right to introduce construction modifications due to equipment modernization.





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Before using this equipment, please read the user and the safety manuals.

1. APPLICATION

The hydraulic head GRT_1 cooperates with electric hydraulic unit AH_200RT and unit AH_300MT. It designed to crimp couplings RT_1 and RT_2:

2. TECHNICAL DATA

Weight (with dies)	2,6 kg
Force	19,1 kN
Length	320 mm
Working pressure	200 bar

Equipped with the quick coupler type ZRT

3. INSTRUMENTATION

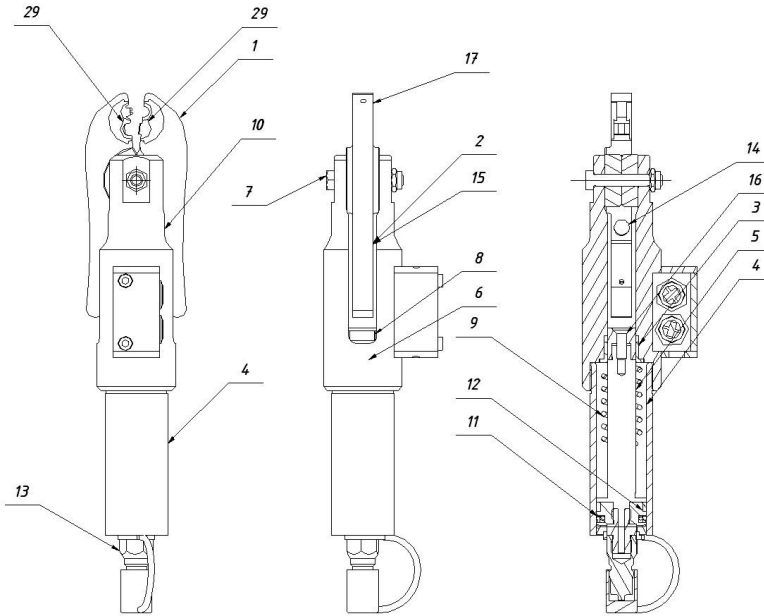
The head GRT_1 is equipped with dies SRT in standard. The dies are separate part of the head and are ordered separately.

4. OPERATION

The head is equipped with dies as standard. Connected to the electric hydraulic unit, the head is ready for work. After putting wires in the coupling and putting the coupling in the crimping dies start work by pressing button on the control panel. When the button is pressed, the head starts the process. When the button is released, the head stays in the position the operation was quited. In order to return to initial position of the head, the second button should be pressed. The crimping operation is continued till the hydraulic unit automatically stop the process.



5. SPARE PARTS OF THE HEAD



29	1	SRT dies	SRT
28	2	Insert lever	GN6-11
27	1	hexagonal selfscrewthread nut with non metal insert, low M8	NEZN_HNB-M8-OC
26	2	Bolt with roller head with hexagonal socket (black) M5x35 kl.8.8	NEZS_WI-M5-40-8.8CZ
23	1	Front plug	AH300RT-02.03.03
22	1	Back plug	AH300RT-02.03.02
21	2		
20	1	Buttons frame	AH300RT-02.03.01.A
19	2	Button	EOPR_AV1630C900
17	2	Tightening screw M4x6	NEZS_BI-M4-6V-CZ
16	1	Bolt with cone head with hexagonal socket (zinc) M6x20	NEZS_VI-M6-20-10.90C
15	2	Bolt with cone head with hexagonal socket (zinc) M5x10	NEZS_VI-M5-10-10.90C
14	1	Dies spring	GN6-12
13	1	Quick coupler	RT
12	1	Guiding ring	HUTR_GP6500320-C380
11	1	Sealing ring	HUTR_PS1400320-T46N
10	1	Connector	GN6-10
9	1	Spring	GN6-09
8	2	Roller	GN6-08
7	1	Bolt	GN6-06.A
6	1	Roller's handle	GN6-05
5	1	Piston rod	GN6-04
4	1	Cylinder	GN6-03
3	1	Sleeve	GN6-02
2	2	Die insert	GN6-01.02
1	2	Head lever	GN6-01.B
No	Qty	Description	Drawing No / Standard no
Spare parts list			

6. MAINTENANCE AND OPERATION RECOMMENDATIONS

1. The following must be done before work is started:
 - a. Check technical condition of the head
 - b. Check proper connection with the head
2. **When powered by the electric hydraulic unit, it is forbidden to switch it on during any maintenance work (assembly and disassembly, setting the machined elements).**
3. **Switch the unit on only after making sure that preparation has been finished and there is no danger of body harm.**
4. Do not pull out the clamp pusher with no crimping dies in the head.
5. Crimp the couplings till there is no empty space between the jaws of the head or until the electric unit turns off (in units with automatic disconnection of the process).



6. Protect the equipment against the influence of atmospheric factors, corrosion, debris and mechanical damage. Store in condition protected against any outside factors.
7. The quick coupler should be kept clean to prevent debris from entering the circulation and damaging the pump and other equipment, or the quick coupler leaks.
8. The work should be done in appropriate protective clothing, with individual protective devices.
9. When doing the work, do not put any items into the working space, other than those for which tool is intended.
10. The tightness of the jaw inserts and the cylinder should be checked periodically.
11. Exercise caution while working.
12. After the work is completed, make sure that the oil has been drained from the system. Make sure the head returns to the initial position.
13. The head must not be used when defective or suspected to be defective, until the defect has been removed.
14. The sliding surface of the jaws cooperating with the pusher rollers should be oiled periodically (when one work shift, oil minimum once a week).

7. SERVICING

ERKO provides full service both during and after the guarantee period.

8. DISPOSAL

After the end of the exploitation period, utilize or recycle the particular elements of this equipment according to the environment protection regulations in force.