

OPERATOR'S MANUAL



**ND 6100
PORTABLE BEAD BREAKER**

RESPONSIBILITY OF THE OWNER AND/OR THE END USER OF THIS DEVICE

This manual is an integral part of the BEAD BREAKER and must always accompany it, also in the case of its sale.

The owner and/or the end user of the BEAD BREAKER must follow the instructions for its use and the suggestions of the manufacturer, before using it. If the end user does not understand very well the language of this manual, instructions must be read and explained in his mother tongue, being sure that he understands their meaning.

The manufacturer is not liable for any damage to persons or things due to incorrect use of this BEAD BREAKER.

OPERATION

Connect the hydraulic pump (manual or air) to the bead breaker through the quick-couplers. If you use the air/hydraulic pump, you must connect it to a source of compressed air of 100-120 psi. *(See separate manual of the air/hydraulic pump!)*

Test the beadbreaker before you attach it to the rim. Release all air from tire, remove cap and valve and the valve extension included. Verify that the tire is completely deflated!

ATTENTION! DANGER!
IT IS ABSOLUTELY FORBIDDEN to use the bead breaker with inflated tyres.

HOW TO OPERATE

This beadbreaker works on all types of rims* (*optional claws may be required).



Fig. 1

Depending on the type of wheel make sure you have the right accessories installed:

- Hold the beadbreaker to the rim as indicated in Fig. 1
- With the claw pushing against the inner part of the rim, the shovel and feet push against the lateral ring and the bead of the tire.
- Maintaining pressure the shovel pushes against the bead of the tire thus breaking the bead from the rim.
- Repeat this operation around the rim as many times as needed to completely break the tire bead from the rim of the wheel.
- Remove the Clip-Ring with the appropriate tools and the ring will come loose.
- Repeat this operation on the opposite bead of the tire and rim.

ATTENTION! SAFETY REGULATIONS

- a) Always deflate tyres before starting disassembling operations
- b) Use the proper tools
- c) Always use protection means (accident-prevention shoes, etc.)
- d) Lock the safety rods on articulated vehicles.
- e) Safety valve is set and sealed by the manufacturer.

Do not forget that there are always crushing risks!

It is absolutely forbidden to tamper with it and change its calibration.

The INCOMPLIANCE or these INSTRUCTIONS can cause damages and/or breakage to the BEAD BREAKERS with consequent damages to persons and things.

MAINTENANCE:

Check the tools before their use. In case of oil leaks, replace the seals. For pump maintenance, see its instruction manual.

CHECKS

- a) a visual control must be carried out every time you want to use the BEAD BREAKER, checking leaks, damages, missing or loose parts, worn parts, etc.
- b) all the BEAD BREAKERS must be carefully checked if it has suffered a damage or a clash.

We suggest that skilled personnel yearly check the bead breaker and that all defective parts, worn parts etc. are replaced by using original spare parts supplied by the manufacturer (see spare parts list)

DAMAGED TOOLS

All damaged tools, worn tools or incorrectly operating ones **MUST BE PUT OUT OF ORDER**. We suggest that necessary repairs are carried out by skilled personnel authorised by the manufacturer.

BEAD BREAKER SCRAPPING

When your bead breaker, after many years of use, must be scrapped, you must remove oil from the cylinder and from the pump. Oil must be recycled according to the regulations in force.

Parts List

Item No.	Description	Q'TY	Item No.	Description	Q'TY	Item No.	Description	Q'TY
1-1	handle	2	1-16	extrusion leg	1	3-4	Ø12 copper washer	1
1-2	M12 nut	2	1-17	pin	1	3-5	M12x20 screw	1
1-3	Ø12 washer	2	2-1	Ø6 steel ball	1	4-1	M10x15 screw	2
1-4	M5x50 screw	1	2-2	M6x30 screw	1	4-2	bushing	2
1-5	Ø5 copper washer	2	2-3	washer	1	4-3	left foot	1
1-6	cylinder cap	1	2-4	o ring	1	4-4	right foot	1
1-7	o ring	1	2-5	cylinder	1	5-1	snap ring	4
1-8	spring A	1	2-6	spring	1	5-2	connection rod	2
1-9	snap ring	1	2-7	piston rod	1	5-3	claw	1
1-10	bushing	1	2-8	M5x70 screw	1	5-4	bushing	2
1-11	snap ring	1	2-9	joint block	1	5-5	M10x25 screw	2
1-12	piston rod	1	2-10	M12x45 bolt	1	5-6	shaft	1
1-13	cylinder body	1	3-1	Ø8 steel ball	1	5-7	screw	2
1-14	Y-seal	2	3-2	ball seat	1	6-1	plug	1
1-15	bushing	2	3-3	spring	1			

Parts Breakdown



