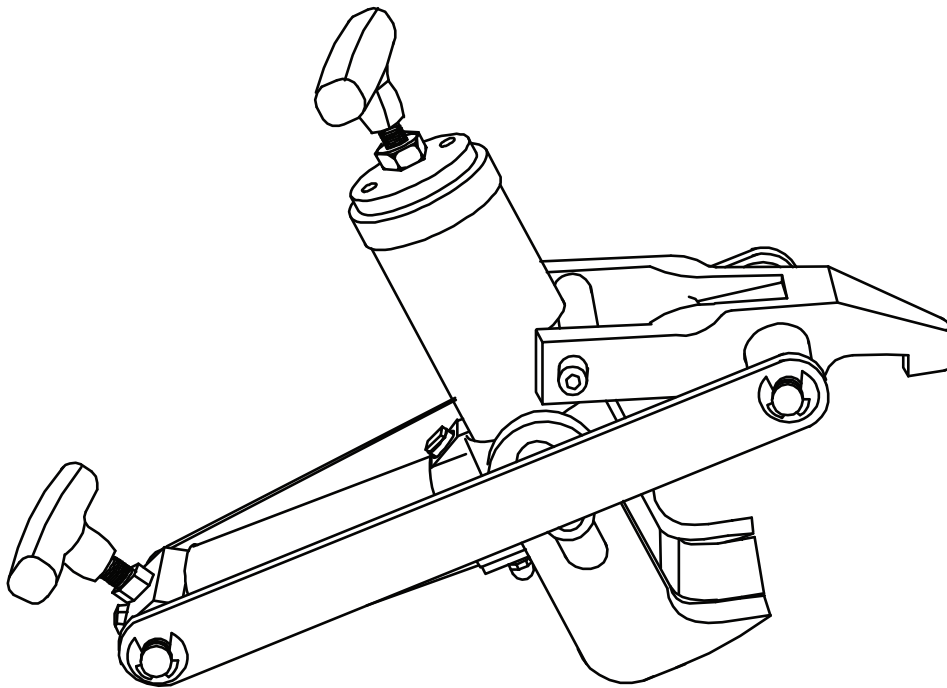




Instruction Manual  
Handleiding en gebruiksvoorschriften  
Mode d'emploi et instructions pour l'utilisation  
Bedienungsanleitung und Gebrauchsvorschriften  
Manual de instrucciones  
Manuale di istruzioni

# Hydraulic Portable Bead Breaker

( NOT for use on split rim / multi-piece rims! )



**22910 - 5 Ton**



**SHINN FU EUROPE B.V.**  
Roosendaal - The Netherlands  
<http://www.sfeu.nl> e-mail : [sales@sfeu.nl](mailto:sales@sfeu.nl)



## OWNER'S RESPONSIBILITY

The owner and/or operator must have an understanding of these operating instructions and the following warnings before operating the bead breaker.

## WARNING

1. Always wear safety glasses when using this bead breaker.
2. Never use this bead breaker on split rim / multi-piece wheel assemblies! DO NOT use this device on an inflated tire!
3. REMOVE tire from vehicle and DEFLATE completely before attaching bead breaker to wheel.
4. Always use the manometer or any load measuring device to verify the suitable application.
5. Always ensure that the chosen pump is suitable and stable to work on and around.
6. This bead breaker is designed for use OMEGA hydraulic oil. When used in extreme low temperature, replace with ESSO J13, OK DELTA 10, Mobile DTE 13M or equivalent. Never use brake fluid, alcohol, glycerin, detergent, motor oil or dirty oil. Improper oil can cause serious internal damage to the bead breaker rendering it inoperative. For more information on hydraulic oil, please contact local service centers.
7. Study, understand, and follow all instructions provided with this air hydraulic pump prior to operation. Failure to follow these warnings may result in loss of load, damage to the pump, or failure resulting in property damage, personal, or fatal injury.
8. The owner shall retain this manual for future reference to important warnings, operating and maintenance instructions.

## INSPECTION

1. Visual inspection shall be made before each use of the hydraulic devices, checking for leaking hydraulic fluid, and damaged, loose or missing parts.
2. The owner and/or the user shall be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended to have an annual inspection of the hydraulic pump done by an authorized service center and that any defect parts be replaced with genuine OMEGA parts.

## ASSEMBLY

Always secure threaded connections with pipe thread compound. Tighten securely to prevent accidental removal of components while in use. Always familiarize yourself thoroughly with the illustrations in the owner's manual.

## INSTRUCTIONS BEFORE USE

### 1. Check Oil Level & Bleed Hydraulic System

Remove and relocate the oil filler plug. This will help release any pressurized air which may be trapped inside the container. Ensure that the oil level is just below the oil filler plug.

### 2. Lubricate Internal Component

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust.

## OPERATION

1. Remove the wheel from the vehicle and secure on a suitable work surface. FULLY DEFLATE THE TIRE, remove valve core, and all balance weights.
2. Hold and position the bead breaker under the rim flange. Position the claw on the inner part of the rim, with the bead breaker feet against the outer part of the rim (refer to figure).
3. Operate the pump to close the claw portion and simultaneously press against the bead surface. To stop or hold, simply cease pump operation.
4. 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.
5. Continue operating the pump until the bead separates from the tire rim surface.
6. To release, simply release the hydraulic pressure of pump by operating the release valve on the pump or if a treadle pump, actuate the release pedal.
7. Continue this operation around both outboard and inboard sides of the rim until the bead is free.



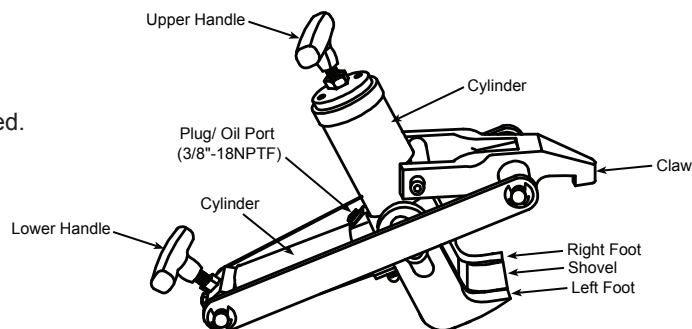
## MAINTENANCE

### Storage :

When not in use, store the bead breaker with cylinder fully retracted.

### Cleaning

1. Keep the hydraulic system as free of dirt as possible. When not in use, couplers or connections must be sealed with dust covers.
2. Periodically check the bead breaker for signs of rust or corrosion. Clean as needed and wipe with an oily cloth.



## SPECIFICATIONS

Model	Capacity (Ton)	Rated Pressure (bar)	Max. Rim size (inch)	Pressure Connection	Oil Capacity (c.c.)	Dimension (mm)	N.W. (kgs)
22910	5	700	26"	3/8" - 18NPTF	250	429 x 140 x 324	15.4

(GB)

## DECLARATION OF CONFORMITY

According to the EC Machinery Directive, the undersigned, authorized by Shinn Fu Europe B.V., Roosendaal, the Netherlands, hereby declares under our sole responsibility that the models listed below and its variant, the under types to which this declaration relates, if used and maintained in accordance with the instructions for use and the codes of good practice, comply with the essential health and safety requirements of the EC Machinery Directive.

For and on behalf of Shinn Fu Europe B.V.

(D)

## ÜBEREINSTIMMUNGSERKLÄRUNG

Gemäß der EG Maschine Richtlinie, bescheinigt Unterzeichner, Bevollmächtigter von Shinn Fu Europe B.V., Roosendaal, Niederlande, hiermit unter unserer exklusiven Verantwortlichkeit, daß der Modelle verzeichneten unten und seine Variante Artikel für welche diese Erklärung gültig ist, vorausgesetzt daß der Richtsatz verwendet und betreut wird nach den Gebrauchsanweisungen, den notwendigen Gesundheits und Sicherheitsvorschriften der EG Maschine Richtlinie entspricht

Für und im Namen von Shinn Fu Europe B.V.

(F)

## DÉCLARATION DE CONFORMITÉ

Conformément à la directive CE "Machine", le soussigné, étant mandataire de Shinn Fu Europe B.V., Roosendaal, Pays-Bas, déclare à la responsabilité exclusive de la firme mentionnée ci-dessus que les modèles ont énuméré ci-dessous et sa variante proches pour lesquels vaut cette déclaration, répondent aux exigences de sécurité et de santé de la directive CE "Machine", à condition qu'ils soient employés et soignés conformément au mode d'emploi.

Pour et au nom de Shinn Fu Europe B.V.

(NL)

## VERKLARING VAN OVEREENKOMST

Overeenkomstig de EG machine richtlijn, verklaart ondergetekende, gemachtigde van Shinn Fu Europe B.V., Roosendaal, Nederland, hierbij onder onze exclusieve verantwoordelijkheid dat de modellen maakten hieronder van een lijst en zijn variant voor welke deze verklaring geldt, mits gebruikt en onderhouden volgens de gebruiksaanwijzing, voldoet aan de noodzakelijke gezondheids en veiligheidseisen van de EG machine richtlijn.

Voor en namens Shinn Fu Europe B.V.

(IT)

## DICHIARAZIONE DI CONFORMITA'

In accordo con quanto stabilito dalla Norma Europea, il sottoscritto autorizzato dalla Shinn Fu Europe B.V., Roosendaal, Nederland, dichiara sotto la sua esclusiva responsabilità che il sollevatore idraulico e i modelli hanno elencato qui sotto e la relativa variante, se usati secondo i criteri e le avvertenze riportati nel manuale di uso e manutenzione sono conformi ai requisiti essenziali per la salute e la sicurezza richiesti dalla Direttiva Macchine CE.

In nome e per conto della Shinn Fu Europe B.V.

(ES)

## DECLARACIÓN DE CONFORMIDAD

En acordancia con la Directiva de Máquinaria, el abajo firmante, autorizado por Shinn Fu Europe B.V., Roosendaal, the Netherlands, aquí y ahora declara bajo su entera responsabilidad que gato los modelos enumerados abajo y su variante, a los cuales esta declaración también hace referencia, si se utiliza y se mantiene en acordancia con las a los instrucciones de uso y los códigos de buenas prácticas, cumplen los requerimientos esenciales de seguridad e higiene de la Directiva anterior.

Por y en nombre de Shinn Fu Europe B.V.




Directive 2006/42/EC  
Standard EN1494:2000+A1:2008

22910



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Jesse Chung / Managing Director  
1 July 2011



Bead Breaker

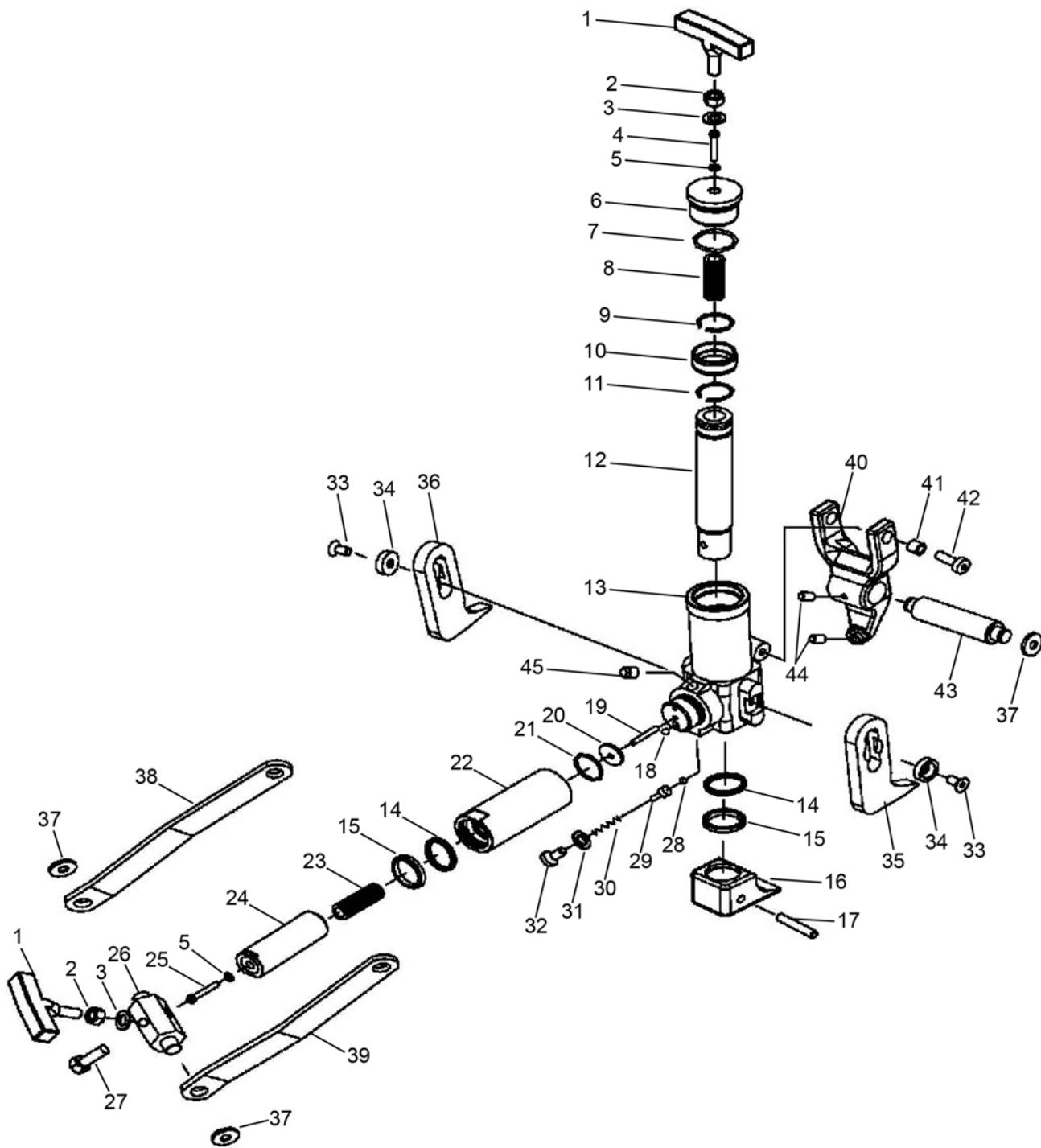
5 Ton Portable Bead Breaker



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# 22910

TL-5200 (1109)





BOM List

## 5 Ton Portable Bead Breaker



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**22910**

TL-5200 (1109)

#	Part Nr.	Description	Qty	#	Part Nr.	Description	Qty
1	22901-001	Handle	2	27	22901-027	Bolt M12 x 45	1
2	22901-002	Nut M12	2	28	22901-028	Steel Ball ø8	1
3	22901-003	Washer ø12	2	29	22901-029	Ball Seal	1
4	22901-004	Screw M5 x 50	1	30	22901-030	Spring	1
5	22901-005	Copper Washer ø5	2	31	22901-031	Copper Washer ø12	1
6	22901-006	Cylinder Cap	1	32	22901-032	Screw M12 x 20	1
7	22901-007	O-Ring	1	33	22901-033	Screw M10 x 15	2
8	22901-008	Spring	1	34	22901-034	Bushing	2
9	22901-009	SNAP Ring	1	35	22901-035	Foot Left	1
10	22901-010	Bushing	1	36	22901-036	Foot Right	1
11	22901-011	SNAP Ring	1	37	22901-037	SNAP Ring	4
12	22901-012	RAM Piston	1	38	22901-038	Connecting Bar - Left	1
13	22901-013	Base	1	39	22901-039	Connecting Bar - Right	1
14	22901-014	U-Seal	2	40	22901-040	Claw	1
15	22901-015	Bushing	2	41	22901-041	Bushing	2
16	22901-016	Shovel	1	42	22901-042	Screw M10 x 25	2
17	22901-017	Pin	1	43	22901-043	Axle	1
18	22901-018	Steel Ball ø6	1	44	22901-044	Screw	2
19	22901-019	Screw M6 x 30	1	45	22901-045	Oil Plug	1
20	22901-020	Washer	1				
21	22901-021	O-Ring	1				
22	22901-022	Cylinder	1				
23	22901-023	Spring	1				
24	22901-024	RAM Piston	1				
25	22901-025	Screw M5 x 70	1				
26	22901-026	Joint Block	1				