Hydraulic Breaker TOR Series
Break Anything... Except the Bank

[International Sales Networks of KOMAC]
KOMAC, the reliable manufacturer of the boom mounted hydraulic breaker and other hydraulic attachments (Hydraulic Crusher, Pulverizer, Vibrating Compactor, Vibrating Roller, Pile Driver) introduces the best complete selection of hydraulic breakers available all over the world.

Powered by the hydraulic system of your excavator, skid steer loader, backhoe loader and wheel loader, the KOMAC hydraulic breaker breaks the heavily-reinforced concrete and rocks efficiently at the lower cost.

The advanced technology of KOMAC hydraulic breaker provides customers with increased satisfactions in both productivity and working efficiency.

KOMAC Hydraulic Breaker.
Best answers to all your breaker questions.
Luxury Class of Hydraulic Breaker

- Blank-Firing protection system to protect the parts when a breaker is blank-fired.
- Auto-greasing device with the protection cover and under water system as standard option (S-Type)
- Swivel valve block & protection cover
- Noise control by using more silent frames
- Improved tool and tool bush as extended grease holes up to the tool bush
- Great technology combined with luxury design
- Tool pin’s cover plate prevents the breakaway of tool pin without using the stop pin
- Superior performance with increased impact power and force stability
- Creative arts in the hydraulic breaker
- Latest manufacturing technology
- New generation with enhanced features from existing TOR Series

KOMAC launched the world’s first Auto Grease Device for "V" (Open) type.

Under Water System
- Remote location of the air-check valve in the top side from the impact point
- Prevent dust influx into the breaker
- Operate with our unique device in the deep water

Auto-Greasing System
- Increase breaker durability
- Advance efficiency
- Grease easily

Valve and the Cylinder Adjuster in the front panel
- Easy for the oil flow adjustment as well as customer maintenance

Swivel Valve Application (S-type)
- Prevent the damage of the existing hose

Blank Firing Protection System
- Protect the parts (tool pins, through bolts and other parts)
- Lengthen the breaker life

Shock Absorbing System in the Accumulator
- Enhance the equipment durability by shock buffering in the impact
- Increase efficiency with the oil supplement

The TOR’s main features are:

- Blank firing protection system to protect the parts
- Auto-Grease Device & protection cover
- Swivel valve block
- Noise control by using more silent frames
- Breakaway prevention of stop pin by invisible structure of tool pin
- Great technology combined with good looking design

TOR Hydraulic Breaker improves breaking productivity, maximizes impact energy and increase impact frequency. New components and a variety of invaluable features designed to improve productivity, reliability and serviceability.
Wider Carrier Range of Komac Hydraulic Breaker
(Operating Weight and Average Mounting Group)

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<th>Applicable Model &amp; Structure</th>
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<tr>
<th>TOR13 (9~16Tons)</th>
<th>TOR18 (13~18Tons)</th>
<th>TOR23 (18~26Tons)</th>
<th>TOR36 (27~35Tons)</th>
<th>TOR42 (34~47Tons)</th>
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We, KOMAC, have adopted the strict Quality Assurance System, which is essential for customer satisfaction.

ISO certification, CE, TÜV mark and other intellectual property rights enable us to be one of the best breaker manufacturers in the world.

1. Back Head
   - Installed the oil connections (input/output) and the gas valve
   - Maximized energy
   - The nitrogen gas in the back head is compressed once the piston moves upward by the oil pressure and accumulation of the energy, which is converted into the blow energy effectively as the piston descends.
   - Auto-greasing System
   - The Auto-greasing system provides working efficiency as well as enhancing breaker durability.
   - Underwater system
   - Remote location of air-check valve from the impact point prevents dust influx into the breaker.
   - The underwater operation is available with unique device installation even in the deep water.
   - Combination with Auto-grease device offers improved efficiency.

2. Valve System
   - Easy to access of the external control valve.
   - Structural Safety
   - The Safety improves efficiency and protection in housing and the valve provides smooth operations and controls functions of the piston.
   - Cylinder Regulator
   - The regulator improves working efficiency with regulating the breaker power and the number of impacts by controlling moving distance of the piston.
   - Valve Regulator
   - The Valve controls the oil flow and the rated pressure in the breaker.

3. Accumulator
   - The accumulator is composed of a rubber film, is compressed by the nitrogen gas in the upper part and is connected with the cylinder at the blow part.
   - Shock Absorption System
   - The Shock absorption system enhances equipment durability in the impact and increases efficiency with oil supplements.

4. Cylinder
   - The minimum hydraulic system enables the breaker to maximize efficiency for reciprocation of the piston where high and low tension circulates.
   - Cylinder Stability
   - The cylinder is manufactured by a precision machinery with the appropriate quality assurance, offering quality satisfaction.

5. Piston
   - The piston is installed in the cylinder, which converts the oil pressure into the impact power to break rocks.
   - Durability
   - Quality proven materials in intensity, anti-wear, heat resistance, tenacity, anti-impact, internal pressure lengthen the life of piston.
   - Post Management
   - The appropriate quality assurance system offers quality satisfaction.

6. Through Bolt
   - The 4 units of the bolts firmly fix the important components onto the breaker.

7. Front head
   - The front head supports the breaker and assembly with the bush, buffering shocks from the chisel.

8. Chisel
   - The Heat-treated tool for breaking rocks.
   - Mass Point
     - Suitable for most of demolition, road construction, pier work as well as civil engineering
   - Wedge Point
     - Suitable for most of demolition, concrete cutting as well as tunnel construction
   - Blunt
     - Suitable for mine as well as a quarry

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Quality Control Inspection Flow

- Material
  - Incoming Inspection
  - Stock
  - Input Product Line
    - NO
    - Issue Non-Conformity Report
      - Re-work, Request Claim

- Final Check
  - Packing
  - Performance Test
  - Manufacturing
    - NO
    - Issue Non-Conformity Report
      - Re-work

Quality Assurance System

- Customer Oriented Policy
- Fast Action plan for any complaints
- Part Supply by JIT System
- Service Training scheduled at Headquarters yearly
- Regular Technical Training by visiting dealers

KOMAC Mission Statement

KOMAC, as a leading manufacturer of hydraulic breakers, has led the way in attachment industries. KOMAC’s hydraulic breakers had been ensuring and exceeding customers’ expectations in the field as well as through various construction equipment trade shows. KOMAC’s mission is to be recognized as a world leader in manufacturing hydraulic breakers. KOMAC commits to focus in continual improvement in business performance, productivity, quality and most importantly in dedication to customers.