



ANTRAQUIP

**Operating Instructions
Transverse Cutting Head
Series AQ-1 to AQ-6**

Operating Instructions

1. Introduction

Congratulations,

Your choice of an Antraquip rotary drum cutter is the right choice. Your trust is not misplaced. The manufacturer is fully confident that this cutting equipment will match the demands of the hardest building site, bringing with it savings in costs.

The operating manual for your cutter contains the following sections:

1. Operating Instructions
2. Instructions for Transport and Commissioning
3. Maintenance Instructions

This operating manual is given to help you to become familiar with the equipment and to make the best possible approved use of its features.

These operating instructions contain important information on how to operate the machine safely, properly and economically. Observing this information will help you to avoid hazards, reduce repair and downtime costs and to increase the reliability and the service life of the machine.

Always keep the operating manual available at the site at which the machine is in use.

The operating manual must be read and understood by every person working with the equipment.

For example:

Operation, including setup, troubleshooting during operation, removal of waste products, care and maintenance, disposal of lubricants and working materials

Transport

Commissioning

Maintenance

Operating Instructions

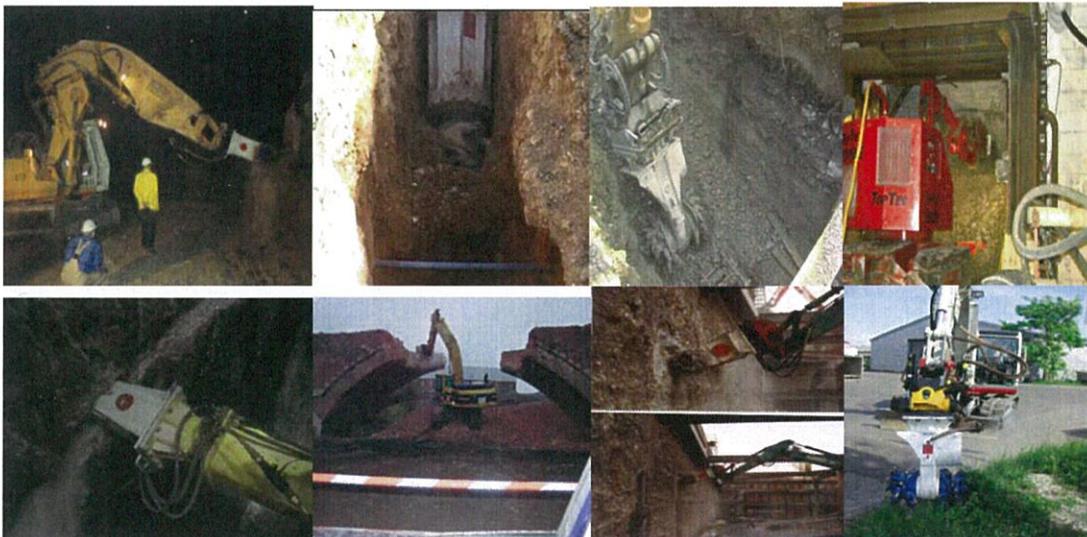
2. Intended use

Antraquip's excavator cutter attachments are hydraulically-operated attachments for hydraulic excavators or similar carriers.

This equipment was developed according to the latest findings in and experience with heavy-duty applications of excavator cutter attachments and reflects the state-of-the-art technology and the recognized safety rules and regulations.

Main fields of application

The main fields of application for the cutters are excavation, demolition, concrete sanitation, tunneling, channel construction, water construction, forestry, and foundries.



The cutters can be used for the following tasks:

- Cutting of concrete (reinforced or not reinforced). When cutting reinforced concrete special safety precautions must be observed
- Cutting of rock to a maximum compression resistance of

Cutter Type	max. rock compression resistance (MPa)
AQ-1	25
AQ-2	35
AQ-3	65
AQ-3XL	100
AQ-4	120
AQ-5	130
AQ-6	170

Instructions for Transport and Commissioning

1. Transport Instructions

Lifting eyelets are provided for the lifting gear load hook. These eyelets are marked red.



For transport purposes use only this eyelet with a suitable lifting gear. Follow the safety rules for handling hoists and load lifting devices. Select the lifting gear capacities acc. to the transport weight of the cutters.

Cutter Transport Weights

	AQ-1	AQ-2	AQ-3	AQ-3XL	AQ-4	AQ-5	AQ-6	
Weight approx. (kg)	220	450	900	1050	1850	3300	5500	

Instructions for Transport and Commissioning

Recommended oil flows of the carrier for the cutter:

Cutter type	Recommended oil flow, litres/min; at 200 bar
AQ 1-1	30 - 60
AQ 2-2	50 - 70
AQ 3-3	60 - 80
AQ 4-4	65 - 80
AQ 2-2	50 - 90
AQ 2-3	50 - 100
AQ 2-4	50 - 100
AQ 3-1	120 - 170
AQ 3-2	130 - 170
AQ-3XL-1	120-180
AQ-3XL-2	150-200
AQ-3XL-3	170-220
AQ 4-1	205 - 320
AQ 4-2	230 - 320
AQ 4-3	250 - 320
AQ 5-1	350 - 450
AQ 5-2	400 - 500
AQ 5-3	450 - 500
AQ 6-1	350 - 750
AQ 6-2	400 - 750
AQ 6-3	450 - 750

Maintenance Instructions

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 - 2.5 Replacement of Pick Holder Wear Bushings
 - 2.6 Welding on the Cutting Heads
 - 2.7 Welding on the PTO Housing
3. Repair
 - 3.1 Installation and Removal of the Cutting Heads
 - 3.1.1 Installation of the Cutting Heads
 - 3.1.2 Removal of the Cutting Heads
 - 3.2 Removal and Installation of the Adapter Plate
 - 3.3 PTO
 - 3.4 Installation of the Hydraulic Motor

Maintenance Instructions

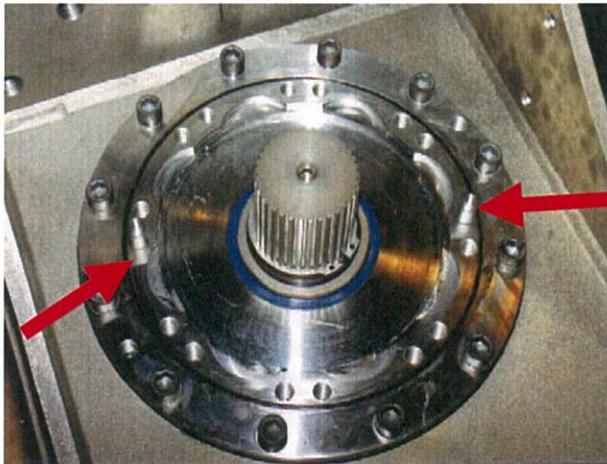
3.3 PTO

Repairs on the PTO should only be performed by service partners of Antraquip Corporation after special training. Only use genuine replacement parts when repairing the PTO.

Before any servicing on the PTO, please always first contact Antraquip.
The layout of the PTO is shown in the enclosed PTO drawing or in the parts lists.

3.4. Installation of the Hydraulic Motor

When servicing the hydraulic motor, always follow the information in the chapter on taking into operation, section 2.2: Hydraulic Connection of the Cutter!
Always first consult Antraquip before carrying out repairs.



Clamping sleeves

Inserting the clamping sleeves (Item 70) into the motor flange. Observe correct position of the sleeves!! The grooves in the sleeves should be opposed to the main turning direction!



Positioning the cylinder block.