



ANTRAQUIP

Antraquip Hydraulic Cutter Boom Attachments



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Rock and Concrete Cutting Solutions

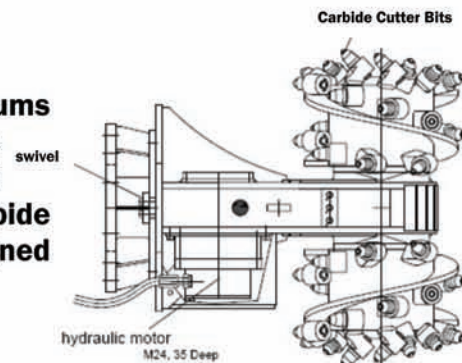
The Leader in Rock Cutting Technology



Antraquip rock and concrete cutting attachments for excavators are the new innovation that has taken the construction industry by storm. AQ rotary cutters are powerful attachments that can excavate rock and concrete efficiently while limiting noise and vibrations. The models ranging from the AQ-1 to the AQ-6 can be mounted on and operated by the hydraulics of excavators ranging in size from 1.5 tons to 120tons.

The controlled excavation of rock and concrete with AQ cutters is unparalleled whether you need to excavate a trench to the desired dimension or whether you require the excavation of a tunnel to profile. So for your next project consider AQ cutter boom attachments as the potential solution for numerous applications including trenching, controlled demolition, scaling, profiling, slurry wall construction, tunneling, and remediation.

Antraquip is now offering a variety of cutting drums designed for specific applications. These include specialized drums for tunneling, profiling, remediation, and stump grinding. In addition, there are various types of carbide cutter bits (picks) available for each machine that are designed for different applications



- Some of the advantages that Antraquip cutter boom attachments offer include:
- Rugged gears and housing
 - The use of a powerful high torque hydraulic motor
 - Robust cutting drums to ensure maximum production and a long life span
 - A swivel mechanism that allows the cutter to be turned at 22.5 degree increments without having to remove the cutterhead from the excavator.
 - Experienced field technicians and office personnel available for technical support at all times



AQ-4 mounted on Liebherr 944 excavator working in medium hard limestone



AQ-4 mounted on Komatsu PC400 mining Talc producing 100+ tons per hour



AQ-5 Demolition Project AQ cutting attachments can cut up to one inch rebar

AQ-4 removing layer of concrete from bridge, mounted on a Hitachi 30 ton excavator



Dimensions and Specifications



Transverse Cutters

The AQ transverse cutting attachments are designed for hard rock excavation and demolition for excavators in weight classes from 3 to 150 tons.

	Unit	AQ-1	AQ-2	AQ-3	AQ-4	AQ-5	AQ-6XL
Cutting head diameter	in	12	16	23	26	32	37
Cutting head width	in	21	24	31	39 (S) , 47 (B)	52	63
Speed 0		X	X	X	75 at Q = 47 gpm	X	X
Speed 1	RPM	90 at Q=9 gpm	X	80 at Q = 32 gpm	75 at Q = 63 gpm	62 at Q= 92 gpm	52 at Q=185 gpm
Speed 2	RPM	90 at Q=11 gpm	90 at Q=15 gpm	80 at Q = 40 gpm	75 at Q = 69 gpm	57 at Q=106 gpm	48 at Q=211 gpm
Speed 3	RPM	90 at Q=12 gpm	90 at Q=18 gpm	X	72 at Q = 79 gpm	53 at Q=119 gpm	48 at Q=250 gpm
Speed 4	RPM	90 at Q=13 gpm	75 at Q=21 gpm	X	X	X	X
Oil Flow	gpm	9 - max. 21	11 - max. 26	32 - max. 45	47 - max. 84	92 bis max. 158	180 - max. 260
Oil pressure max.	PSI	5075	5075	5075	5075	5075	5075
Max Torque output	ft lb	1,374	3,824	7,647	17,206	34,400	80,500
Max Cutting force	lbs	2,736	5,834	8,112	15,697	26,073	53,380
Approx. weight	lbs	484	990	1,980	3,850 (4,070)	7,260	13,200
Maximum input power	HP	42	60	87	160	270	470
Recommended carrier weight	tons	3 - 7	6 - 17	10 - 22	25 - 40	50 - 80	80 - 150
Recommended engine power of carrier	HP	17 - 60	27 - 90	80 - 120	150 - 240	250 - 400	300 - 470



Lengthways Cutters

The AQ lengthways or Inline cutting attachment is designed for the excavation of narrow trenches, tunneling, scaling and various other types of specialized applications. They match excavators from 3 to 50 tons.

	unit	AQ-1L	AQ-2L	AQ-3L	AQ-4L
Cutting Head Diameter	in	16	16	18	27
Cutting Head Width	in	16	16	18	27
Speed 0	RPM	X	X	X	75 at Q = 47 gpm
Speed 1	RPM	X	80 at Q = 32 gpm	80 at Q = 32 gpm	75 at Q = 63 gpm
Speed 2	RPM	90 at Q=15 gpm	80 at Q = 40 gpm	80 at Q = 40 gpm	75 at Q = 69 gpm
Speed 3	RPM	90 at Q=18 gpm	X	X	72 at Q = 79 gpm
Speed 4	RPM	75 at Q=21 gpm	X	X	X
Oil Flow	gpm	40 - max. 100	32 - max. 45	32 - max. 45	47 - max. 84
Oil Pressure Max.	PSI	5075	5075	5075	5075
Max Torque output 4 (at 5,075 PSI)	ft lb	3,824	7,647	7,647	17,206
Max Cutting Force 4 (at 5075 PSI)	lbs	5,834	11,663	10,382	15,466
Approx. Weight	lbs	770	820	900	2,860
Maximum Input Power	HP	60	87	87	160
Recommended Carrier Weight	tons	3 - 15	10 - 20	10 - 20	25 - 50
Recommended Engine Power of Carrier	HP	27 - 90	80 - 120	80 - 120	120 - 240