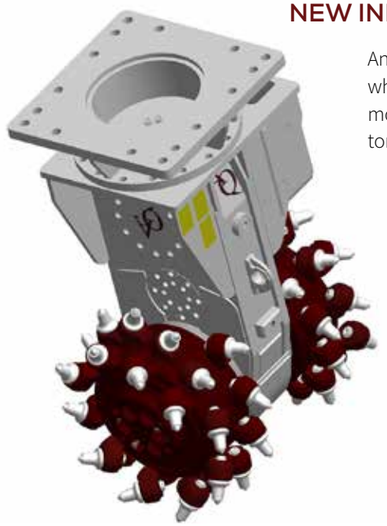
HYDRAULIC CUTTING ATTACHMENTS



NEW INNOVATION IN ROCK CUTTING

Antraquip Cutters are powerful attachments that can excavate rock and concrete efficiently while limiting noise and vibrations. The models ranging from the AQ-1S to the AQ-6 can be mounted on and operated with the auxiliary hydraulics of excavators ranging in size from 1.5 tons to 150 tons.

AQ Cutters offer excellent production rates for rock excavation and concrete removal/ demolition while providing precise cutting control. So consider an ANTRAQUIP Hydraulic Cutter as the solution for your next project involving trenching, general rock excavation, controlled demolition, scaling, profiling, soil remediation, frozen ground cutting, tunneling, rock dredging, and many other applications.

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

AXIAL/ LENGTHWAYS "INLINE" vs TRANSVERSE

Axial cutters (see right image) utilize a single drum design and are most commonly utilized for narrow trench excavation, cutting of concrete piles, remediation, profiling, scaling and other projects that require extraordinary cutting precision. Antraquip transverse cutters utilize a dual cutting drum system (image to the left) that maximzes the cutting forces transferred into the rock or concrete. Specifications noted below.

AXIAL (INLINE) CUTTERS

	UNIT	AQ-1L	AQ-2L	AQ-3L	AQ-4L
Cutting Head Diameter	in (mm)	15 (380)	16 (405)	19 (485)	26 (660)
Cutting Head Width	in (mm)	15 (380)	16 (405)	19 (485)	26 (660)
Displacement 1	RPM	95 rpm @ 16 gpm	80 rpm @ 32 gpm	80 rpm @ 32 gpm	70 rpm @ 58 gpm
	L/MIN	95 rpm @ 60 l/min	80 rpm @ 121 l/min	80 rpm @ 121 l/min	70 rpm @ 219 l/min
Displacement 2	RPM	90 rpm @ 25 gpm	85 rpm @ 43 gpm	85 rpm @ 43 gpm	75 rpm @ 82 gpm
	L/MIN	90 rpm @ 95 l/min	85 rpm @ 163 l/min	85 rpm @ 163 l/min	75 rpm @ 310 l/min
Oil Flow Range	GPM (L/MIN)	15 - 30 (55 - 115)	30 - 45 (110 - 170)	30 - 45 (110 - 170)	50 - 95 (190 - 360)
Max Pressure	PSI (bar)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)
Max Torque Output	ft lbs (Nm)	4,370 (5,925)	8,740 (11,850)	8,740 (11,850)	19,690 (26,700)
Max Cutting Force	lbs (N)	7,028 (31,275)	13,125 (58,405)	11,050 (49,175)	18,204 (81,010)
Weight	lbs (Kg)	750 (340)	810 (370)	925 (420)	2,980 (1,350)
Maximum Input Power	HP (kW)	60 (45)	90 (65)	90 (65)	160 (120)
Carrier Weight (Recommended)	tons	4 - 15	10 - 25	10 - 25	20 - 60
Engine Power of Carrier (Recommended)	HP (kW)	25 - 90 (20 - 65)	80 - 120 (60 - 90)	80 - 125 (60 - 95)	150 - 240 (110 - 180)

TRANSVERSE CUTTERS

	UNIT	AQ-1S	AQ-1	AQ-2	AQ-3	AQ-3XL	AQ-4	AQ-4XL	AQ-5	AQ-6
Cutting Head Diameter	in (mm)	9 (230)	11 (280)	15 (380)	22 (560)	23 (585)	25 (635)	28 (710)	33 (840)	40 (1,015)
Cutting Head Width	in (mm)	19 (485)	21 (535)	25 (635)	31 (790)	32 (815)	40 (1,015)	49 (1,245)	53 (1,345)	68 (1,730)
Displacement 1	RPM	150 RPM @ 7 GPM	100 RPM @ 7 GPM	95 RPM @ 16 GPM	80 RPM @ 32 GPM	80 RPM @ 40 GPM	70 RPM @ 58 GPM	75 RPM @ 80 GPM	65 RPM @ 96 GPM	52 RPM @ 185 GPM
	L/MIN	150 RPM @ 25 L/MIN	100 RPM @ 30 L/MIN	95 RPM @ 60 L/MIN	80 RPM @ 121 L/MIN	80 RPM @ 140 L/MIN	70 RPM @ 219 L/MIN	75 RPM @ 299 L/MIN	65 RPM @ 363 L/MIN	52 RPM @ 700 L/MIN
Displacement 2	RPM	160 RPM @ 11 GPM	115 RPM @ 18 GPM	90 RPM @ 25 GPM	85 RPM @ 43 GPM	85 RPM @ 50 GPM	75 RPM @ 82 GPM	70 RPM @ 110 GPM	60 RPM @ 135 GPM	45 RPM @ 235 GPM
	L/MIN	160 RPM @ 40 L/MIN	15 RPM @ 60 L/MIN	90 RPM @ 95 L/MIN	85 RPM @ 163 L/MIN	85 RPM @ 189 L/MIN	75 RPM @ 310 L/MIN	70 RPM @ 416 L/MIN	60 RPM @ 510 L/MIN	45 RPM @ 888 L/MIN
Oil Flow Range	GPM (L/min)	5 - 12 (20 - 45)	8 - 20 (30 - 75)	12 - 26 (45 - 100)	30 - 45 (110 - 170)	34 - 65 (125 - 245)	50 - 85 (190 - 320)	65 - 130 (245 - 495)	95 - 160 (360 - 610)	175 - 260 (660 - 985)
Max Pressure	PSI (bar)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)
Max Torque Output	ft lbs (Nm)	1,196 (1,620)	2,625 (3,560)	4,370 (5,925)	8,740 (11,850)	11,200 (15,185)	19,690 (26,700)	28,120 (38,125)	39,310 (53,300)	99,600 (135,040)
Max Cutting Force	lbs (N)	3,315 (14,750)	5,717 (25,440)	7,028 (31,275)	9,545 (42,475)	11,683 (51,990)	18,933 (84,250)	24,068 (107,105)	28,686 (127,655)	62,112 (276,400)
Weight	lbs (Kg)	230 (105)	495 (225)	1,010 (460)	2,045 (930)	2,290 (1,040)	4,020 (1,825)	4,900 (2,220)	7,400 (3,355)	14,350 (6,510)
Maximum Input Power	HP (kW)	24 (20)	45 (35)	60 (45)	90 (65)	120 (90)	160 (120)	215 (160)	270 (200)	540 (405)
Carrier Weight (Recommended)	tons	1 - 3	2 - 8	5 - 15	12 - 20	15 - 28	25 - 45	40 - 70	50 - 80	85 - 180
Engine Power of Carrier (Recommended)	HP (kW)	13 - 45 (10 - 35)	15 - 60 (10 - 45)	25 - 90 (20 - 65)	80 - 120 (60 - 90)	90 - 160 (65 - 120)	150 - 240 (110 - 180)	200 - 300 (150 - 225)	260 - 360 (195 - 270)	470 - 805 (350 - 600)