

HAMMEROG

HYDRAULIC BREAKERS & ATTACHMENTS

HAMMEROG Corporation has a policy of continuous improvements and reserves the right to change specifications, design or prices at any time without notice or the incurring of any obligation.

HAMMEROG Corp.

14749 Carmenita Road
Norwalk, CA 90650 U.S.A
TEL : 562-926-2014 FAX : 562-926-9614
E-mail : sales@hammeroc.com
Web Site : www.hammeroc.com
Toll Free : 866-255-7774



HAMMEROC perfectly fits to all you need

However you say it, "They are the best!"

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HAMMEROC in Jobsites



TECHNICAL Support



HAMMEROC in Exhibition



HAMMEROC

Authorized By



Suitable Carrier for Equipment

Example of Application	Skid Steer Loader	Backhoe Loader	Mini&Wheel Excavator	Crawler Excavator
HR20G	0.5~1	0.8~3	0.8~3	
HR30G	1~1.5	1.5~3.5	1.5~3.5	
HR50 / HR45G	1.5~3	3~5	2.5~6	2.5~6
HR70 / HR60G	2.5~3.5	5~8	3~8	3~8
HR90	3.5~5	7~10	4~10	4~10
HR120		10~13	6~12	6~12
HR150			10~13	10~16
HR190			15~20	15~20
HR200			22~26	18~26
HR250				22~28
HR300				25~32
HR380 / 35AT				33~45
HR450 / 460 / 45AT				40~60
HR550 / 55AT				50~85

UNIT : TON



HAMMEROC - Small Breakers are the best for

- ▶ Mini-excavators, skid-steer loaders, tractor back-hoes and small excavators
- ▶ High breaking capacity ▶ Breaking asphalt, concrete, hard and frozen ground
- ▶ Low operation cost ▶ High return on investment
- ▶ Easy service and maintenance



HR-SMALL BREAKERS

Hydraulic Type

HAMMEROC - Small breakers are suitable for mounting on tractor back-hoes, mini-excavators and skid steer loaders. They are mainly used for breaking concrete, asphalt, hard or frozen ground and for scaling in mines and tunnels. They have a high production rate for their size range and provide a good return on investment to customer.

HR-Small Series Internal Structure



Technical Specification

ITEM	UNIT	SPECIFICATION					
		HR 50	HR 60	HR 70 / 70B	HR 90	HR 120	HR 150
Impact Energy Class	ft-lb	750	900	1100	1300	1600	1800
Working Weight	OPEN	550	683	860 / 783	1020	1300	1630
	BOX	717	793	904	1025	1466	1896
Impact Frequency	blows	500~950	500~900	520~1000	500~900	350~700	350~700
Oil Operating Flow	gpm	8~16	8~20	13~26	13~26	16~33	16~33
Oil Operating Pressure	psi	1740	1740	1740	1740	1890	1890
Tool Diameter	inch	2.4	2.75	3	3.4	3.7	3.9
Carrier Weight	1000lb	5.5~13	6.6~16	6.6~18	8.8~22	13~29	22~35

Technical Specification (GAS TYPE)

ITEM	UNIT	SPECIFICATION			
		HR 20G	HR 30G	HR 45G	HR 60G
Impact Energy Class	ft-lb	300	500	650	850
Working Weight	lb	200	270	440	530
Impact Frequency	blows	1000~1500	450~1100	450~1100	520~1000
Oil Operating Flow	gpm	4~8	6.6~10.6	12~18	9.2~13
Oil Operating Pressure	psi	1160~1600	1300~1740	1450~2035	1380~1900
Tool Diameter	inch	1.8	2.1	2.48	2.7
Carrier Weight	1000lb	1.6~6	2.5~8	5.5~13	8~20





HR-MEDIUM & LARGE BREAKERS

Hydraulic Type

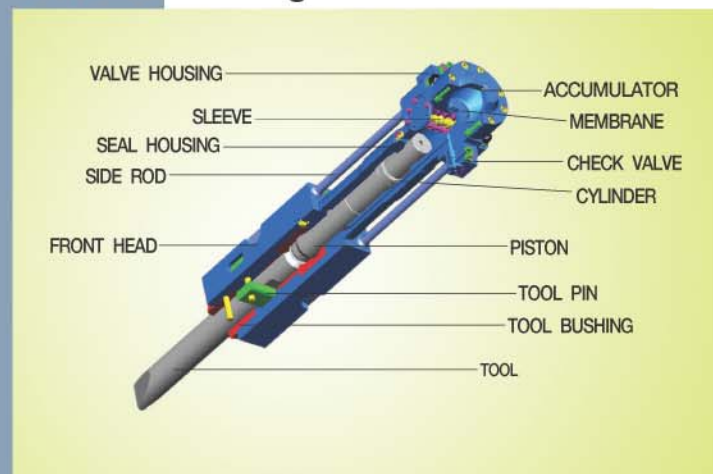
INNOVATIVE HOUSING DESIGN
FOR LOW NOISE

HAMMEROC-Medium

& Large breakers are the best for

- ▶ Available from 14tons to 85tons large size excavators
- ▶ High impact energy
- ▶ Fully enclosed housing to protect the breaker mechanism
- ▶ Patented sealing and piston guidance system
- ▶ Advanced noise reducing system in new housing
- ▶ Patented vibration buffer system to protect the carrier vehicle
- ▶ Tool bushing liners to save costs of replacing tool bushings
- ▶ Breaking hard rock, reinforced concrete, metallurgical slag
- ▶ High impact energy which is the same with every blow

HR-Medium & Large Series Internal Structure



Automatic Greasing Line & Pump



- ▶ Advanced internal automatic greasing system.
- ▶ Long life time for tool & tool bushing.
- ▶ Rechargeable cartridge, Economical maintenance cost & Easy mounting pump.

Technical Specification

Item	Unit	Specification						
		HR190	HR200	HR250	HR300	HR380	HR460	HR550
Impact Energy Class	ft-lb	2800	3500	4500	5500	8000	11000	14000
Working Weight	lb	2640	3200	3720	4620	5970	7960	12300
Impact Frequency	blows	400~700	400~700	350~550	350~550	340~550	320~510	300~450
Oil operating flow	gpm	19~34	26~48	32~48	42~61	48~77	53~84	60~90
Oil Operating Pressure	psi	2000	2000	2000	2030	2030	2030	2030
Tool Diameter	inch	4.3	4.7	5.1	5.5	6.3	6.7	7.1
Carrier Weight	1000lb	24~40	40~57	49~62	55~71	73~99	88~154	100~187

HAMMEROC The 3rd Generation's Breaker Advanced Technology



HR 35AT



HR 45AT



HR 55AT



The Biggest Model
for 70~100 TONS
EXCAVATOR
is coming the
middle of 2008

Auto Grease Pump

To prevent your mistake that longer life time guarantee at Upper Bushing & Trust Ring

New Design of Head Type

Square Type Head protects Side Rod (Tie Rod) from the misalignment assembling

Protection your Breaker

Adjustable bpm of your Breaker without additional cost at Main Control Valve

Manual Grease Port

To assure the lubrication at Friction Component

Easy Access to Bushing

Consumable Parts as Tool Bushing can be replaced in short time from under structure to save your money

Technical Specification

Item	Unit	Specification		
		HR35AT	HR45AT	HR55AT
Impact Energy Class	ft-lb	8000	11000	14000
Working Weight	lb	6500	8270	12130
Impact Frequency	blows	300~450		
Oil operating flow	gpm	48~77	53~84	60~90
Oil Operating Pressure	psi	2030	2030	2030
Tool Diameter	inch	6.5	6.9	7.1
Carrier Weight	1000lb	73~99	88~154	110~187

HAMMEROC New PULVERIZER with Changeable Tooth

New HAMMEROC Hydraulic Pulverizer series offer elevated performance for demolition and recycling with new and high performance cylinder. Specially HRP CT series offer exchangeable tooth assembly which made out of Hardox for economical maintenance and long life time with high durability in every job site.

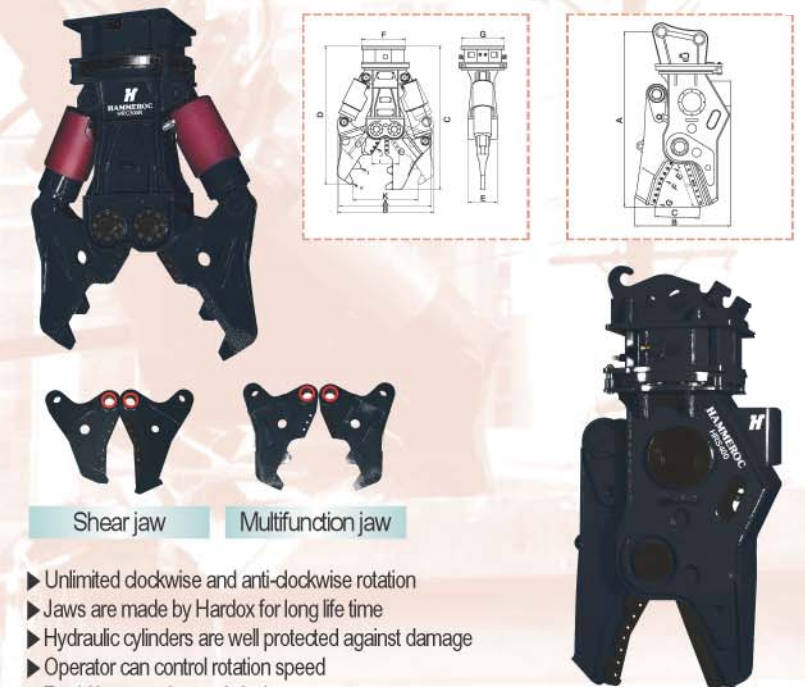
Description	UNIT	HRP 200	HRP 200CT	HRP 300	HRP 300CT
Operating Weight	lb	3858	4299	5512	6107
Dimension	A inch	76.2	76.3	81.3	81.3
	B inch	57.7	57.6	63.8	63.4
	C inch	37.6	37.6	40.9	41.3
	D inch	21.2	23.9	24.0	24.0
	E inch	90.2	90.2	96.7	96.7
	F inch	10.0	10.0	11.0	11.0
Hydraulic of the Cylinder	PSI	4641	4641	4641	4641
Crushing Force	G 1000lb	110	110	154	154
	H 1000lb	139	139	205	205
	I 1000lb	243	243	353	353
Cutting Force	J 1000lb	408	408	573	573
Blade Length	inch	6.9	6.9	6.9	6.9
Rotating Type	-	Fixed	Fixed	Fixed	Fixed
Jaw Type	-	Pulverizer Jaw	Pulverizer Jaw	Pulverizer Jaw	Pulverizer Jaw
Carrier Weight	1000lb	39.7~61.7	39.7~61.7	61.7~88.2	61.7~88.2



HAMMEROC Rotation CRUSHER Rotation SHEAR

HAMMEROC Crusher & Shear series offer perfect performance for demolition and recycling. A high performance cylinder and basic installation of speed up valve reduces operating time and increases productivity in job site.

Description	UNIT	HRC 30R	HRC 70R	HRC 150M	HRC 150R	HRC 200R	HRC 300R	HRS 400
		Operating Weight	lb	353	1279	2976	3086	4189
Dimension	A inch	24.1	34.6	44.3	44.3	50.8	61.6	91.9
	B inch	24.0	37.8	48.3	48.3	52.9	64.1	50.4
	C inch	39.9	53.3	73.6	73.6	85.1	95.9	23.1
	D inch	39.0	53.1	72.2	72.2	82.6	92.5	23.6
	E inch	7.5	12.4	16.8	16.8	17.7	19.3	-
	F inch	11.0	17.7	22.0	20.1	24.2	29.1	-
	G inch	11.0	17.7	20.1	20.1	22.4	28.7	-
	K inch	17.2	18.9	31.5	31.5	37.0	43.3	-
Hydraulic of the Cylinder	P (max.) PSI	3626	4061	4641	4641	4641	4641	4641
	Q (max.) GPM	2.6~5.3	11.9~26.4	26.4~47.5	26.4~47.5	26.4~66	52.8~92.5	52.8~92.5
Hydraulic of the Rotation	P (optima) PSI	-	2030	-	2466	2466	2466	2466
	Q (optima) GPM	-	5.3~11.9	-	5.3~14.8	5.3~14.8	5.3~14.8	5.3~14.8
Closing Force	H 1000lb	20	44	90	90	130	216	E 732
	I 1000lb	29	66	141	141	220	302	F 340
	J 1000lb	68	141	346	346	463	666	G 203
Carrier Weight	1000lb	2.2~6.6	11~22	28.7~39.7	28.7~39.7	39.7~55.1	55.1~61.7	61.7~83.8
Cutting Size (max.) : H-Beam	inch	-	-	-	-	-	-	7.87x7.87 x0.31x0.47

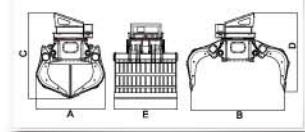


Shear jaw Multifunction jaw

- ▶ Unlimited clockwise and anti-clockwise rotation
- ▶ Jaws are made by Hardox for long life time
- ▶ Hydraulic cylinders are well protected against damage
- ▶ Operator can control rotation speed
- ▶ Rapid jaw opening and closing
- ▶ Cutting blades can be changed by four times to increase life time
- ▶ Massive cutting force
- ▶ Interchangeable jaws give three applications for the price of one

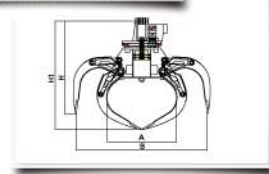
HAMMEROC Various Attachments

Stone Grab



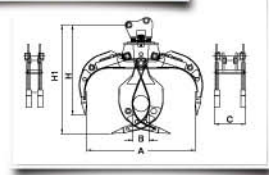
Description	UNIT	HRG 100	HRG 150	HRG 200	HRG 300	HRG 400
Operating Weight	lb	1014	1984	3020	4630	5512
Capacity	G	37	79	132	211	238
Dimension	A	inch	36.8	41.5	47.6	59.1
	B	inch	65.0	67.6	78.7	80.2
	C	inch	43.5	47.4	56.9	73.7
	D	inch	35.9	40.7	50.0	67.8
	E	inch	20.3	33.5	39.4	43.9
Closing Force on Edges	1000lb	32	86	108	130	130
Hydraulic of the Cylinder	P(max.)	PSI	4351	5076	5076	5076
	Q(max.)	GPM	11	21	26	22
Hydraulic of the Rotation	P(optima)	PSI	2030	2030	2466	2466
	Q(optima)	GPM	5	11	11	11
	Speed	rpm	20	20	20	20
Carrier Weight	1000lb	7.7-14.3	14.3-39.7	39.7-55.1	61.7-77.2	79.4-92.6

Orange Grapple



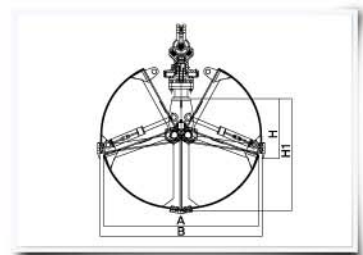
Description	UNIT	HROG 150	HROG 200	HROG 300	HROG 400
Operating Weight	lb	1499	1951	2469	3549
Capacity	yd3	0.79	1.05	1.31	1.97
Time Q ty	EA	5	5	5	5
Dimension	A	inch	67.1	79.8	91.7
	B	inch	44.1	49.2	62.2
	H	inch	45.3	47.4	65.0
	H1	inch	50.0	62.8	78.0
	H2	inch	50.0	62.8	78.0
Hydraulic of the Cylinder	P(max.)	PSI	4351	5076	5076
	Q(max.)	GPM	53	66	79
Hydraulic of the Rotation	P(optima)	PSI	2901	2901	2901
	Q(optima)	GPM	21	21	21
Carrier Weight	1000lb	35.3-39.7	39.7-55.1	61.7-77.2	79.4-92.6

Wood Grab



Description	UNIT	HRWG 70	HRWG 100	HRWG 200	HRWG 300
Operating Weight	lb	772	1808	2161	2646
Capacity	yd3	0.33	0.66	1.05	1.31
Dimension	A	inch	35.4	59.1	66.1
	B	inch	4.1	10.1	15.7
	C	inch	12.8	21.4	26.4
	H	inch	40.1	46.3	53.1
	H1	inch	44.3	54.5	61.4
Hydraulic of the Cylinder	P(max.)	PSI	4351	4351	5076
	Q(max.)	GPM	53	66	79
Hydraulic of the Rotation	P(optima)	PSI	2901	2901	2901
	Q(optima)	GPM	21	21	21
Carrier Weight	1000lb	11.0-22.0	26.5-39.7	39.7-55.1	55.1-70.5

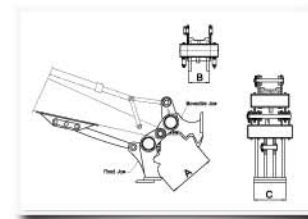
Clam Shell



Description	UNIT	HRCS 70	HRCS 150	HRCS 200	HRCS 300
Operating Weight	lb	1257	1587	2161	2690
Capacity	yd3	0.39	0.79	1.05	1.31
Dimension	A	inch	70.1	70.1	82.7
	B	inch	57.5	57.5	63.8
	H	inch	57.9	57.9	58.9
	H1	inch	74.0	74.0	78.0
	H2	inch	74.0	74.0	78.0
Hydraulic of the Cylinder	P(max.)	PSI	4351	4351	5076
	Q(max.)	GPM	53	66	79
Hydraulic of the Rotation	P(optima)	PSI	2901	2901	2901
	Q(optima)	GPM	21	21	21
Carrier Weight	1000lb	11.0-24.3	35.3-39.7	39.7-55.1	61.7-77.2

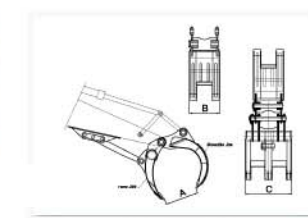
Mechanical Crusher

Description	UNIT	HRC 200M	HRC 300M	HRC 400M
Operating Weight	lb	3040	4365	5562
Dimension	Full Opening(A)	inch	42.0	46.5
	Moveable Jaw Width(B)	inch	13.8	15.1
	Fixed Jaw width(C)	inch	20.3	22.8
	Cutter Length	inch	6.5	7.1
	Crushing Force	1000lb	77	84
Cutting Force	1000lb	220	243	
Carrier Weight	1000lb	44.1-66.1	66.1-83.8	83.8-110.2



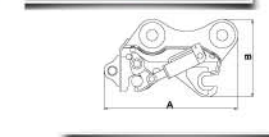
Demolition Grapple

Description	UNIT	HRG 100M	HRG 150M	HRG 200M	HRG 300M	HRG 400M
Operating Weight	lb	1543	2646	3505	4850	5710
Dimension	Full Opening(A)	inch	85.7	88.7	107.1	117.6
	Moveable Jaw Width(B)	inch	23.1	30.0	30.0	32.0
	Fixed Jaw width(C)	inch	34.5	44.0	44.0	48.0
	Carrier Weight	1000lb	24.3-35.3	35.3-46.3	46.3-63.9	63.9-88.2
					88.2-110.2	



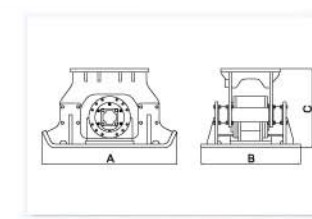
Quick Coupler

Description	UNIT	HRQ 50	HRQ 100	HRQ 150	HRQ 200	HRQ 300	HRQ 400
Operating Weight	lb	143	220	331	573	750	948
Dimension	A	inch	21.7	24.0	30.5	36.2	40.2
	B	inch	13.8	15.0	17.6	20.7	23.0
Operating Pressure	PSI	435-3046	435-3046	435-3046	435-3046	435-3046	435-3046
Oil Flow	GPM	2.6-5.3	2.6-5.3	2.6-5.3	2.6-5.3	2.6-5.3	2.6-5.3
Carrier Weight	1000lb	6.6-13.2	15.4-26.5	28.7-39.7	44.1-55.1	61.7-70.5	77.2-99.2



Vibrating Compactor

Description	UNIT	HRV 70	HRV 200	HRV 300
Operating Weight	lb	772	1874	2425
Dimension	A	inch	33.5	45.3
	B	inch	24.0	33.5
	C	inch	20.1	25.2
Vibrator Force	lb	6393	15432	19842
Impact Frequency	bpm	2000	2000	2000
Operating Pressure	PSI	2001	2001	2001
Oil Flow	GPM	21	32	45
Carrier Weight	1000lb	8.8-19.8	39.7-55.1	55.1-77.2



Ripper

Description	UNIT	HRMR 150	HRMR 200	HRMR 300
Operating Weight	lb	984	1171	1429
Dimension	A	inch	32.0	38.1
	B	inch	42.1	50.1
	C	inch	15.7	18.7
Carrier Weight	100lb	22.0-33.1	35.3-44.1	44.1-70.5

