PIERCE PACIFIC MANUFACTURING, INC.













EVERYTHING YOU NEED TO MAXIMIZE UPTIME AND PRODUCTION

360° continuous power rotation. Heavy-duty bearing and rotate motor. Oversized, induction-hardened, heat-treated, and chromed pins. Aluminum bronze bushings for

Aluminum bronze bushings for extended service lubrication/ greasing intervals.

Completely protected hydraulic system with access cover plates for easy maintenance.

(4) high-pressure cylinders for greater closing power with heavy-duty protection armor. Work tool-to-link pin. Optimum arm shape to maximize payload.

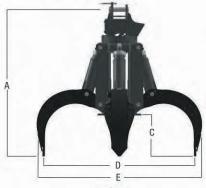
2YD³ and smaller grapples designed to fit inside dump trailers for easy unloading.

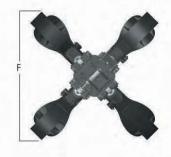
OPTIONAL:

Crosshead link to interface with stick: includes stick tip pin.

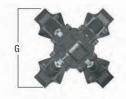
Quick Change Work Tool System.

Fixed grapples also available in knock-about and non-rotating configurations.









ORANGE PEEL SPECIFICATIONS

SIZE	MODEL.	A	В	C	D	E	F	G	WEIGHT
.75 YD3	0P75	85"	98"	25"	86"	95"	74"	47"	3,700#
1.0 YD3	OP100	89"	101"	31"	91"	103"	79"	49"	3,900#
1.5 YD3	OP150	88"	104.8"	30"	101"	112"	86"	55"	4,450#
2.0 YD3	OP200	94"	113"	36"	112"	122"	92"	58"	4,800#
2.5 YD3	OP250	96"	118"	39"	121"	134"	100"	64"	5,600#
3.0 YD3	OP300	104"	126"	43"	129"	143"	108"	72"	6,500#



MAKE A QUICK CHANGE

Save money while adding material handling flexibility with our Quick Change Work Tool System. It lets you change from clamshell to grapple to skip dump to C-hook in as little as 30 minutes, Power rotate assembly stays with your machine. And, of course, you can count on our Quick Change Work Tool System to maintain rugged design and construction you expect from Pierce.

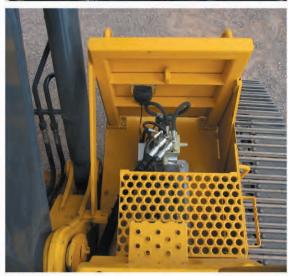


OUICK CHANGE TOOL SYSTEM









INCLUDED:

Baldor generator directly coupled to hydraulic motor.

Hubbell controller with fusing 24V DC relay package.

Cab-mounted volt-meter magnet "on/off" indicator.

75' magnet cable and connectors, brackets, and mounts (as required). Cab-mounted on/off system control.

Continuous oil supply from dedicated pump.

Convenient control handles.

Installation fully within 48", 60", 72", or 120" Pierce cab riser or at right front corner location.

OPTIONAL:

EMAG solid-state controller.



MAGNETS COMPLETE THE PACKAGE WITH THE OPTIMUM MAGNET SIZE FROM PIERCE.

MACHINE SIZE	ALUMINUM	GENERATOR PACKAGE		
METRIC TON	DIAMETER	WEIGHT	SIZE	
15-19	30"	900#	5KW	
20-21	34"-40"	1,200#-1,850#	5KW, 7.5KW	
22-26	40"	1,850#	7.5KW, 10KW	
27-29	48"	2,700#-2,900#	10KW	
30-39	57"	4,100#-4,400#	15KW	
40-49	66"	6,200#-6,400#	20KW	
60-75	66"-72"	6,400#-8,300#	25KW, 33KW	
80-90	72"-78"	8,300#-10,300#	33KW, 40KW	
115-130	92"	15,400#	45KW	

MAGNET AND GENERATOR PACKAGE SIZES ABOVE SHOULD BE CONSIDERED GUIDELINES DNLY. ALL MAGNETS REQUIRE MAGNET LINK. FOR GENERATOR PACKAGE INSTALLATION, MACHINE MUST BE EQUIPPED WITH APPROPRIATE AUXILIARY PUMP DRIVE. PIERCE PACKAGE DOES NOT INCLUDE PUMP OR PUMP INSTALLATION.

OPTIONAL

Magnet equipped with grapple post for clean-up operations.

Magnet fixed to excavator linkage for C&D sweeping applications.



EIXED MAGNET LINK



GRAPPLE POST



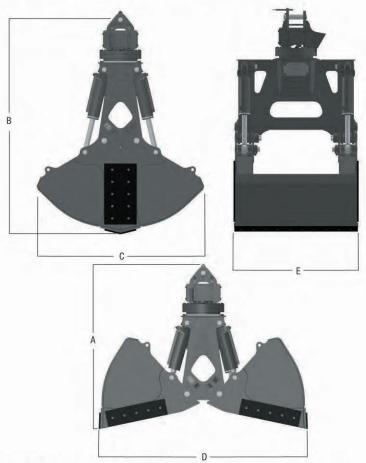
DANGLING MAGNET LINK

PIERCE - MIRKTOOLS 40



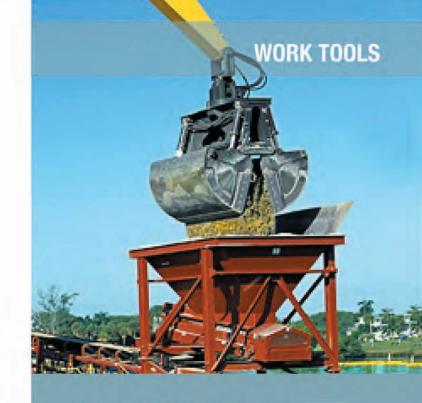
REHANDLING CLAMSHELL BUCKETS

Maximize your payload with super tough buckets made with strong materials including a T-1 steel mainframe and hardened, wear-resistant AR400 bucket halves for heavy-duty material handling.



CLAMSHELL SPECIFICATIONS

MODEL	CAPACITY YD3	A	В	C		E	WEIGHT
QC 200	2 YD3	76	101	75	95	62	5,325#
QC 250	2.5 YD3	77	106	82	103	62	5,750#
QC 300	3 YD3	78	110	90	111	62	6,090#
QC 350	3.5 YD3	83	114	89	108	74	6,900#
QC 400	4 YD3	84	118	94	115	74	7,350#
QC 450	4.5 YD3	85	120	99	120	74	7,800#
QC 500	5 YD3	84	119	95	117	86	9,100#
QC 550	5.5 YD3	85	122	101	122	86	9,600#
QC 600	6 YD3	86	124	105	127	86	10,100#
QC 700	7 YD3	97	130	106	128	100	11,500#
QC 800	8 YD3	98	134	112	136	100	13,000#
QC 900	9 YD3	102	137	111	135	114	14,200#
QC 1000	10YD3	102	140	116	141	114	15,100#
QC 1100	11 YD3	103	143	121	147	114	16,000#



HERE'S THE SCOOP ON OUR CLAMSHELL BUCKETS.

INCLUDED:

High-strength material to reduce unnecessary weight

360° continuous power rotation. Hardened, wear-resistant AR400

OPTIONAL

Crosshead link to Interface with

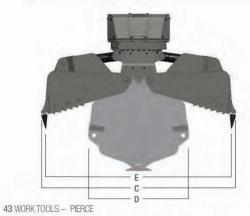


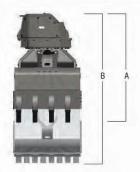
POWER ATTACHMENTS

Go to extremes with Pierce power attachments, specially made to stand up to the rigors of heavy construction, forestry, demolition, and extreme climate and work conditions. Pierce power attachments are perfect for ground level demolition, road building, and heavy-duty excavation.

All of our power attachments offer controlled articulation and positioning from the excavator's bucket cylinder and linkage. They can be adapted to quick couplers for further versatility, and offer proportional control for opening, closing, rotating, and other precision handling.

	POWE	R ATTACHMENT SIZES (CLAMSHE	LL BUCKET SHOWN)		
	MODEL	PPA-25	PPA-27	PPA-30	
	CAPACITY	.50 YD ³	.75 - 1.00 YD ³	1.25 - 1.5 YD ³	
	RECOMMENDED MACHINE SIZE	16-26 MT	22-39 MT	30-49MT	
	WEIGHT (SINGLE DRIVE, NO LUGGING)	3,600#	4,700#	5,600#	
Α	HEIGHT (OPEN)	62"	66"	70"	
В	HEIGHT (CLOSED)	77"	86"	96"	
C	OVERALL WIDTH (OPEN)	87"	103"	120"	
D	OVERALL WIDTH (CLOSED)	51"	54"	62"	
E	MAXIMUM OPENING	81"	96"	114"	
F	DEPTH	35"	37"	43"	
	NOTE: SPECIFICATIONS AND MEASUREMENTS (WILL VARY DEPENDING ON CONFIGURATION. MEA	SUREMENTS ABOVE REFLECT CLAMSHELL BUCK	CET CONFIGURATION.	
	ROTATE GEAR/BEARING DIAMETER	25"	27"	30"	
	MAIN BEARING RATING	120,000 LBS @ 0 FT. LBS 40,000 LBS @ 52,000 FT. LBS.	120,000 LBS @ 0 FT. LBS 40,000 LBS @ 52,000 FT. LBS.	160,000 LBS @ 0 FT. LBS 50,00 LBS @ 70,000 FT. LBS.	
	ROTATION	360°, CONTINUOUS	360°, CONTINUOUS	360°, CONTINUOUS	
	STANDARD DRIVE	SINGLE DRIVE	SINGLE DRIVE	SINGLE DRIVE	
	OPTIONAL DRIVE	DUAL DRIVE (-D)	DUAL DRIVE (-D)	DUAL DRIVE (-D)	
	CYLINDER SIZE	4"	4"	4.5"	







AVAILABLE CONFIGURATIONS: Clamshell bucket 3 x 3 contractor's grapple (-C) Forestry grapple (-F) Rake (-R) Demolition grapple (-D)

INCLUDED:

T-1 steel for superior strength and AR400 for abrasive resistant surfaces. Common upper structure integrates lugging interface to any excavator. Enclosed upper structure protects hydraulic components from debris and impact.

Bolt-on replaceable, serrated side edges.

Replaceable bucket teeth.

Common upper structure allows for interchangeability between various bucket/grapple tines, eliminating the need for multiple dedicated work tools.

Large diameter, 4140 HRHT alloy pins.

Aluminum bronze bushings.

360° continuous rotation.

(2) cylinders with high pressure seals.

'Valve in head' configuration minimizes machine's hydraulic requirements. Open/close/rotate 'proportional' control (in lieu of 'on/off' control).

Momentary rotational float allows payload's momentum to pivot work tool. Direct coupled rotate drive with double supported pinion gear and high output motor(s).

Rugged main bearing, large capacity through-bolted external gear slewing ring.

Easy access to all service and maintenance locations.

Front access door pivots open and main valve slides out for easy serviceability (shown below).

Bolt-on cover guards protect main bearing and other serviceable locations during operation.

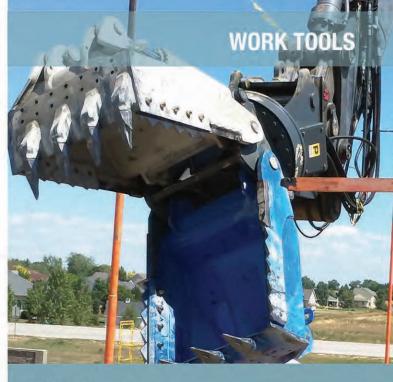












PROJECT: T-REX

Specially developed for a nuclear reactor removal project for the DOE, this power attachment in clamshell configuration was designed to achieve a very high performance factor-to-weight/size ratio. It is ideal for dislodging and grappling materials such as cast-iron slabs and blocks, structural steel, rubberized concrete, rectangular graphite bars, and miscellaneous tubing up to 4" in diameter. The bucket's severing feature makes it easy to reduce material size for easier handling, withou having to change to a standard shear.

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