

**PIERCE PACIFIC MANUFACTURING, INC.**



**PIERCE PACIFIC MFG.**

<b>WORK TOOLS</b>	
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**GRAPPLES  
BUCKETS**



**"PIERCE BUILT, PIERCE BACKED."**

## REHANDLING CLAMSHELL BUCKETS.

Pierce material handling high volume scrap grapples and clamshell buckets are among the most efficient and reliable products on the market. Each engineered and designed for heavy duty, high production and duty cycle applications.

### ENGINEERED TO MAXIMIZE YOUR PAYLOAD.

- High strength materials reduce unnecessary weight
- Four heavy duty cylinders for greater closing power and structural stability
- 400 Bhn or greater cutting edges
- 400 Bhn bucket halves
- T1 steel main frame
- Induction-hardened and chromed pins throughout
- HD bearing and rotate motor
- Features 360° continuous power rotation
- Bolt-on cutting edges available (optional)
- Fixed buckets available in knock-about and non-rotated configurations
- Links available for all machines, sizes and boom configurations

Because our grapples and buckets are Pierce built, you can count on a top quality product, full product support and fast delivery on all service parts. Three more reasons why Pierce material handling products have set the standard at work sites throughout the country.

### GET THE RIGHT WORK TOOLS FOR THE JOB.

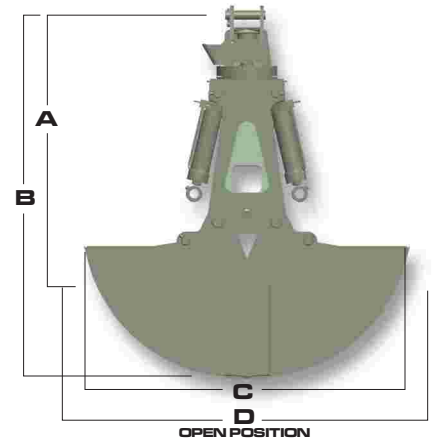
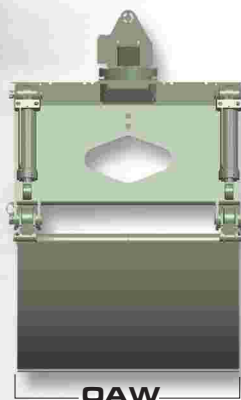
Pierce Work Tools are available for hydraulic excavators of every make, model and year. Mount it on a new or used machine. Also, Pierce Work Tools can be tailored to suit your particular/unique applications. Contact Pierce for the appropriate size and configuration for your job.



### CLAMSHELL SPECIFICATIONS

MODEL	ESTIMATED HEAPED CAPACITY	STRUCK CAPACITY	A	B	C	D	DAW	WEIGHT
QC 150	1.7 YD <sup>3</sup>	1.5 YD <sup>3</sup>	70.8	96.0	88.0	94.0	69	4,920
QC 200	2.3 YD <sup>3</sup>	2 YD <sup>3</sup>	70.8	97.1	88.7	94.0	69	5,000
QC 300	3.4 YD <sup>3</sup>	3 YD <sup>3</sup>	71.2	98.8	88.0	99.2	69	5,350
QC 400	4.5 YD <sup>3</sup>	4 YD <sup>3</sup>	83.2	108.1	81.6	107.2	95	9,200
QC 450	5.1 YD <sup>3</sup>	4.5 YD <sup>3</sup>	83.2	108.1	81.6	107.2	95	9,350
QC 500	6.2 YD <sup>3</sup>	5 YD <sup>3</sup>	54.0	111.0	86.0	119.0	95	9,650
QC 550	6.8 YD <sup>3</sup>	5.5 YD <sup>3</sup>	84.5	113.7	86.9	119.5	95	9,850
QC 600	7.6 YD <sup>3</sup>	6 YD <sup>3</sup>	85.0	116.0	92.0	126.0	98	9,950
QC 700	8 YD <sup>3</sup>	7 YD <sup>3</sup>	88.0	122.0	96.0	132.0	104	11,500
QC 800	9 YD <sup>3</sup>	8 YD <sup>3</sup>	92.0	136.0	112.0	143.0	110	13,000
QC 800LM	10.1 YD <sup>3</sup>	8 YD <sup>3</sup>	92.0	136.0	112.0	143.0	110	10,500
QC 900	11.3 YD <sup>3</sup>	9 YD <sup>3</sup>	94.0	138.0	112.0	143.0	110	13,800
QC 1000	12.4 YD <sup>3</sup>	10 YD <sup>3</sup>	96.0	140.0	112.0	143.0	110	14,600
QC 1100	13.5 YD <sup>3</sup>	11 YD <sup>3</sup>	97.0	143.0	120.0	151.2	110	15,400

\*LM-Light Materials < 1,800#/YD<sup>3</sup>

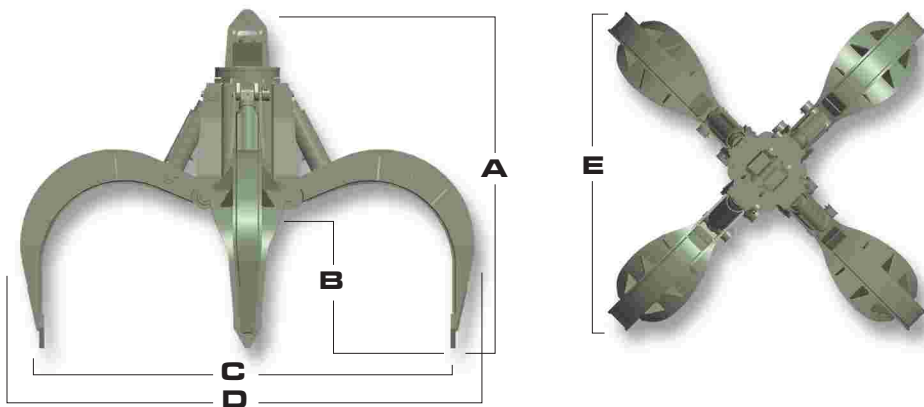




ORANGE PEEL SPECIFICATIONS									
SIZE	MODEL	A	A	B	C	D	E	E	WEIGHT
		CLOSED						CLOSED	
.75 YD <sup>3</sup>	OP 75	82.5"	96"	28"	94"	106"	82"	43"	4,000
1.0 YD <sup>3</sup>	OP 100	88.5"	102.1"	30.9"	93.75"	106.4"	81.84"	44.5"	4,200
1.5 YD <sup>3</sup>	OP 150	88.26"	104.8"	30.62"	101.5"	112"	84.7"	47.2"	4,450
2.0 YD <sup>3</sup>	OP 200	93"	111.75"	33.75"	110"	122"	86.25"	51.25"	4,800
2.5 YD <sup>3</sup>	OP 250	96.75"	118.75"	39.5"	121.5"	134.5"	95"	56"	5,600
3.0 YD <sup>3</sup>	OP 300	104.5"	126"	43.25"	128.75"	143.75"	108"	72"	6,500

### ORANGE PEEL GRAPPLE

- Strong T-1 steel mainframe & grapple legs
- High strength materials reduce unnecessary weight
- Wear areas feature 400 Bhn steel plate
- Includes weld-on or pin-on replacement tips
- Induction hardened & chrome pins throughout
- Guarded pin keeper bolts
- Features 360° continuous power rotation
- Four tine configuration
- 4 heavy duty cylinders for greater closing power and structural stability
- Heavy duty bearings and rotate motor
- 2 YD<sup>3</sup> and smaller grapples are designed to optimally unload transport trailers
- Links available for all machines, sizes and boom configurations



### QUICK CHANGE WORK TOOL SYSTEM

- Adds material handling flexibility at a lower cost
- Change from clamshell to grapple to skip dump to C-hook in 30 minutes
- Power rotate assembly stays captive with machine
- Rugged design and construction



**OPEN/SEMI-ENCLOSED/  
FULLY ENCLOSED ORANGE  
PEEL GRAPPLES**



### REFUSE GRAPPLE

- Sizes available for 20-200 M.T. machines
- 3-15 YD capacities available



### 3 X 2 BYPASS GRAPPLE

- Sizes available for 20-200 M.T. machines.
- Easily handles refuse
- Ideal for all types of processed and loose scrap
- Handles up to 4 crushed car bodies
- Perfect for handling recycled materials such as tires, paper, plastic, and wood waste
- Construction and Demolition debris



### GENERATOR PACKAGES & MAGNETS

- Baldor 5, 10, 15, 20, 25 or 33kw generators
- Hubbel split-panel controllers
- Cab mount on/off system control
- Continuous oil supply from dedicated pump
- Hydraulic drive, including auxiliary pump
- Complete turnkey-install anywhere in the USA/Canada
- Complete turnkey kit



### CUSTOM WORK TOOLS

- Skip Dump (pictured)
- Rock grapples
- Concrete vacuum boom
- Telescoping sticks
- Rotating spreader



### GET A PERFECT FIT WITH FINITE ELEMENT ANALYSIS

Finite Element Analysis (FEA), combined with computer-aided motion analysis software, allows for fully associative drafting which assures a precise fit of every part and component we fabricate. Simply put, Pierce is able to design, "build", assemble, simulate and test fabrications such as grapples and buckets before any manufacturing takes place. And, as an Allied Equipment Manufacturer, our engineering team works directly with excavator manufacturers to assure complete and error-free integration of all OEM/Pierce equipment.



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**PIERCE**  
**Denharco**

### THE PIERCE PROMISE

Like all custom-built Pierce products, once it's delivered we stand by it all the way. Our unparalleled product support and customer service includes onsite training and troubleshooting, stocked warehouses, after hours pickup and emergency overnight delivery. Our professional service technicians are at your service 24 hours a day, every day, to make sure your jobs stay on track and on schedule. Quality from the drawing board to the bottom line. That's what "Pierce built, Pierce backed" is all about.