

# **MOTOCUT**

# **PILE CUTTERS**

## **FOR CONCRETE PILES**

- Safety first!
- High quality cuts
- High production rate

# MOTOCUT – SAFE AND FAST PILE CUTTING!

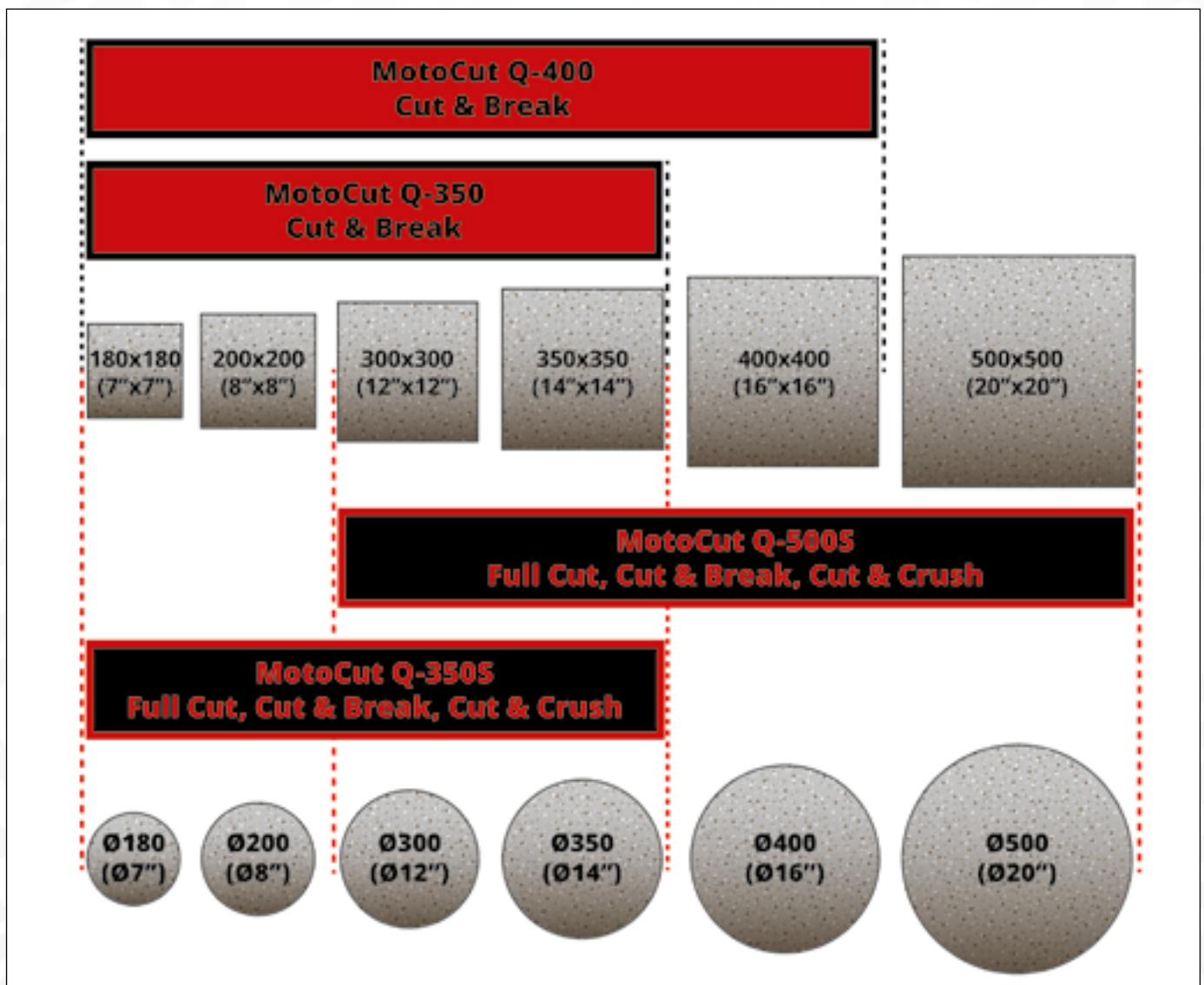
- Operator isolated from the danger zone
- No risk of cut piles falling on operators
- No HAVS issues (Hand-Arm Vibration Syndrome)
- No Silica dust issues

## MOTOCUT BENEFITS IN CONCRETE PILE CUTTING:

- Up to 5x higher production capacity compared to traditional methods
- High quality and predictable cutting result
- Easy to transport to the work site and attach to an excavator
- Speeds up the site schedules



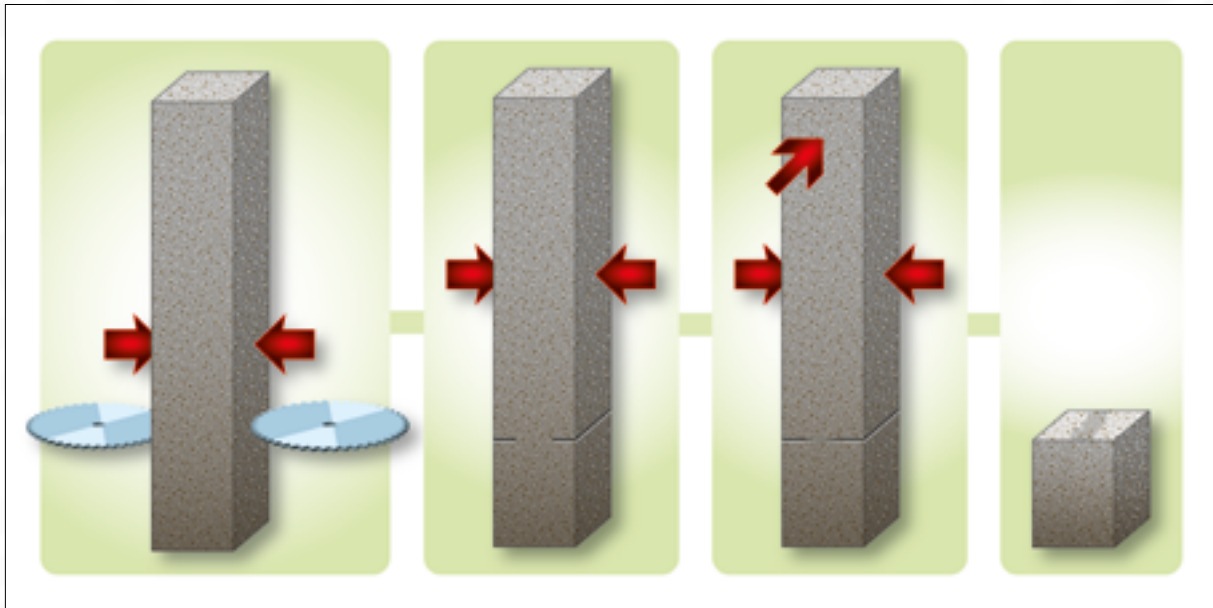
## PILE SIZE RANGES FOR MOTOCUT PILE CUTTERS





## CUTTING METHOD: CUT & BREAK

The pile cutter is fully self-contained and works with any 7–30 ton hydraulic excavator with a hammer line and tiltrotator or the MotoCut free hanging chain set. With 2 blades cutting simultaneously, the cutting speed is typically up to 5x faster than in manual cutting.



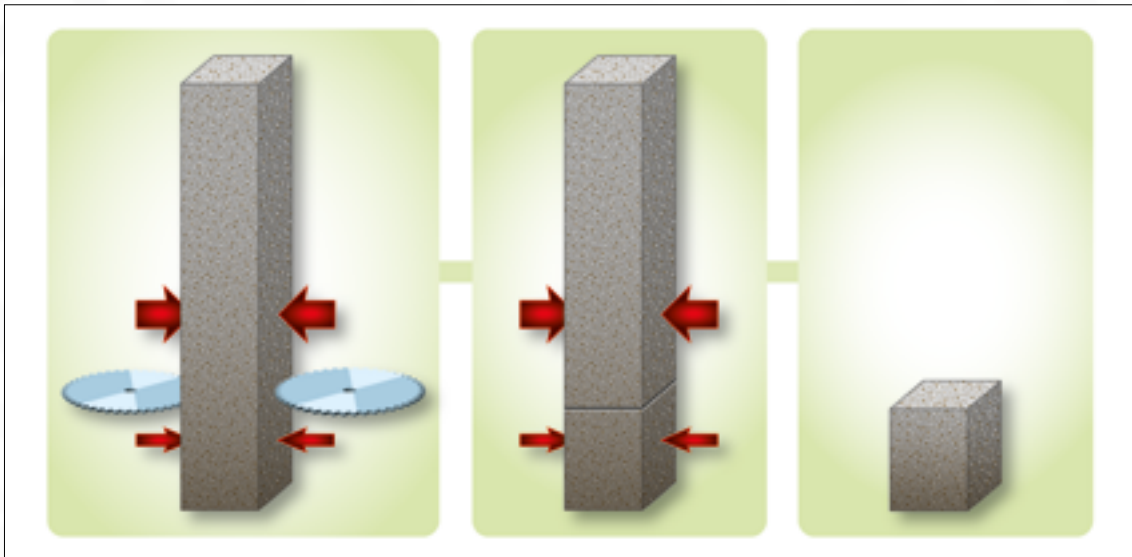
### CUTTING PROCESS:

- Grab the pile, press Start and wait until the rebars are cut
- Retract the grapples and grab the pile from a higher point
- Push to break the pile
- Place the off-cut to a desired location



## CUTTING METHOD: FULL CUT

The pile cutter is fully self-contained and works with any 15–30 ton hydraulic excavator with a hammer line and tiltrotator. It can do full cuts and partial cuts (Cut & Break, Cut & Crush). Cut quality is excellent due to grabs below and above the blades.



### CUTTING PROCESS:

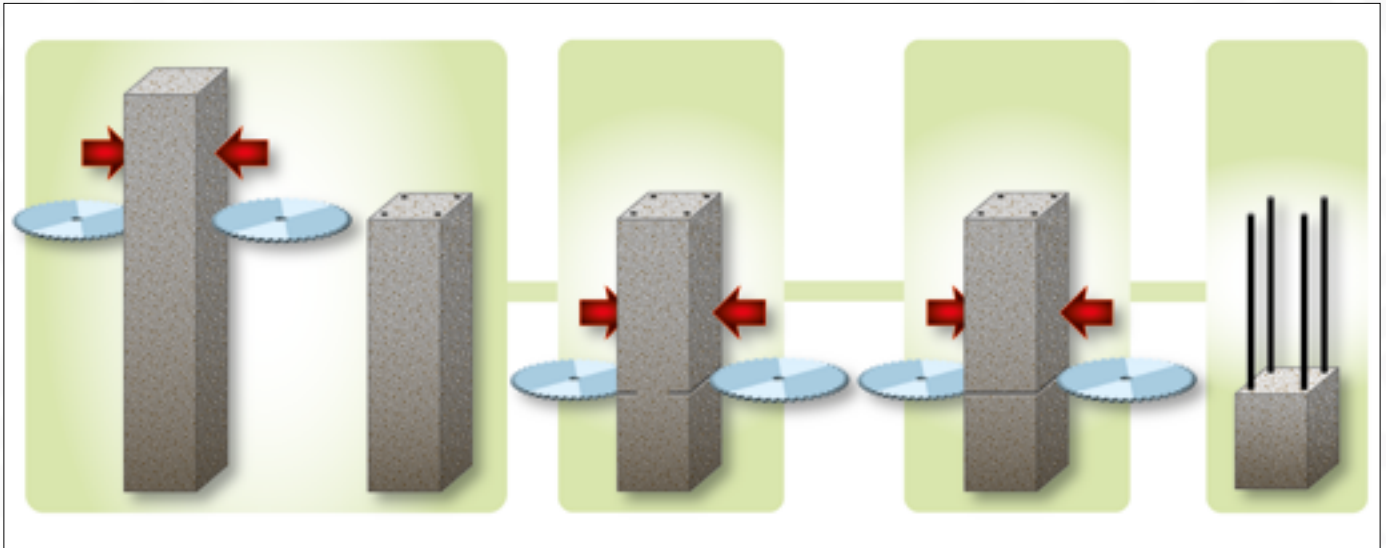
- Grab the pile and press Start
- Cut through the pile
- Release lower grabs
- Place the off-cut to a desired location





## CUTTING METHOD: CUT & CRUSH

Benefits of MotoCut before cropping: rebars / strands are cut to the right height, there's no need of welder to cut the rebars / strands after cropping, and grooves made with a MotoCut machine prevent cracks going in to the pile in the ground. MotoCut Q-series S models are used in this type of cutting.



### CUTTING PROCESS:

- Grab pile & cut the pile and rebars/strands so the rebars/strands to be exposed have the right length
- Grab pile & score grooves on first two sides
- Turn MotoCut 90 degrees and grab pile & score other two sides
- Crop the pile with a pile cropper



# TECHNICAL INFORMATION

## S-SERIES: FOR ALL CUTTING PROCESSES

MOTOCUT PILE CUTTER	Q-350S	Q-500S
Pile sizes (square, round)	180–350 mm (7"–14") and ø180–ø350 mm (ø7"–ø14")	300–500 mm (12"–20") and ø300–ø500mm (ø12"–ø20")
Dimensions (WxLxH)	1600 x 1453 x 883 mm 63" x 57" x 35"	2260 x 1504 x 1008 mm 89" x 59" x 40"
Weight	750 kg (1650 lbs)	1200 kg (2650 lbs)
Blade diameter	ø500 mm (ø20")	ø700 mm (ø28")
Blade center hole	ø25,4 mm (ø1")	ø60 mm (ø2,4")
Carrier weight	7–30 t (15,000–66,000 lb)	15–30 t (33,000–66,000 lb)
Working pressure	220 bar (3190 psi)	
Required flow rate min	60 l/min (16 gal/min US)	120 l/min (31 gal/min US)



## MODELS FOR ONLY CUT AND BREAK PROCESS

MOTOCUT PILE CUTTER	Q-350	Q-400
Concrete pile sizes (square)	180–350 mm (7"–14")	200–400 mm (8"–16")
Dimensions (WxLxH)	1450 x 1400 x 783 mm 57" x 55" x 31"	
Weight	550 kg (1,215 lb)	570 kg (1,260 lb)
Blade diameter	ø400 mm (ø16")	
Blade center hole	ø25,4 mm (ø1")	
Carrier weight	7–30 t (15,000–66,000 lb)	
Working pressure	220 bar (3190 psi)	
Required flow rate min	60 l/min (16 gal/min US)	

# MOTOCUT TILT ROTATOR

MOTOCUT TILT ROTATORS	MT-15	MT-25
Rotation (can be bypassed)	355°	355°
Tilt angle	± 38°	± 38°
Max pressure	250 bar/3626 psi	
Max output torque (rotation)	12,9 kNm	18,7 kNm
Max holding torque (rotation)	54 kNm	65 kNm
Max tilt torque	8,8/11,2 kNm	30,0/30,0 kNm
Weight	250 kg (550 lb)	450 kg (992 lb)
Dimensions (WxLxH)	775x770x1122mm (30,5"x 30,3"x 44,2")	1051x876x1142mm (41,4"x 34,5"x 45")
Compatible	Q-350S Q-400 Q-350	Q-500S



## MOTOCUT

*The New Era of Pile Cutting*

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