Cat®
MP318, MP324 Multi-Processors

Hydraulic Excavators

Americas North

CAT®

Demolition (D) Jaw

Concrete Cutter (CC) Jaw

Universal (U) Jaw

MP318
MP324

Multi-processor System

HIGH
PRODUCTIVITY
FAST
SPEED
MAXIMUM
UP TIME
EXTREME
VERSATILITY

Speed & Power

- Fastest cycle times in the industry
- More power
- Performance with multi-function

10 to 12 Minute Jaw Change

- Keeps you productive
- Change tasks quickly

Easy to Maintain

- Self-service wear parts
- Minimal surface welding for less down time

Built for Demolition, Recycling & Scrap

- Six interchangeable jaws. Six different applications

Pulverizing (P) Jaw

Shear (S) Jaw

Tank Shear (TS) Jaw

KEY FEATURES

1. JAW CHANGE SYSTEM

A. Pins stay with the jaw

B. Disc locks fixed jaw to housing. Center hole accepts 1″ breaker bar

C. Cylinder pin attaches and actuates moving jaw

2. 360° ROTATION

- Allows precise jaw placement
- Rotate in either direction

3. PROTECTED CYLINDER

- Guarding protects the rod from falling debris

4. ROTATOR LOCK

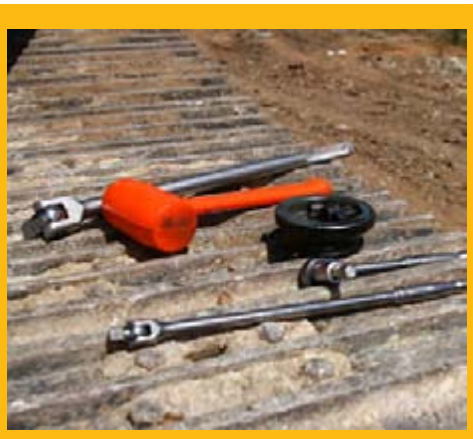
- Locks rotator for transportation
- 2 positions
- Locking pin stores in the housing when not in use

5. CYLINDER LOCK

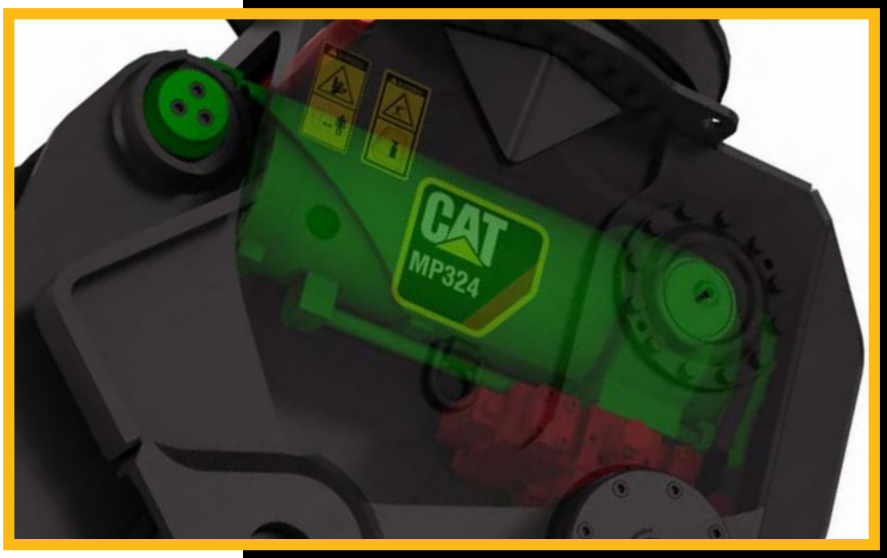
- Locks jaw in place during jaw change
- Locking pin stores in the housing when not in use

FAST, EASY JAW CHANGE

- **10–12 minutes**
- **Only the operator is needed**
- **Standard hand tools**
- **Keeps you productive**

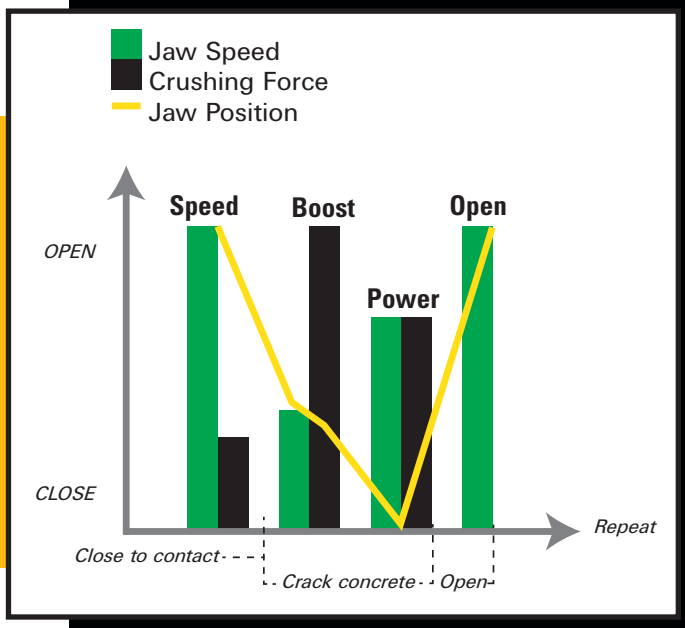


FAST SPEED HIGH PRODUCTION



SPEEDBOOSTER

- Power when it counts
- Switches between power and speed to ensure best performance
- Real cycle times, real performance
- Visit the code below to see it in action



Easy Jaw Exchange

Jobsite Productivity

SpeedBooster Technology

DEMOLISH CONCRETE STRUCTURE

DEMOLITION (D) JAW

Built for:

- Largest concrete applications, with and without rebar
- Any strength concrete

How it works:

- Narrow jaw for concentrated force
- Wide jaw opening
- Cracking teeth aligned for penetration
- Cutting blades for rebar

The result:

- Thick concrete is reduced to manageable size, large pieces
- Rebar is cut

Demolition (D) Jaw Overview

1. **HEEL PROTECTION** included as part of upper and lower teeth.
2. **SIDE WEAR PUCKS** on both sides of both jaws.
3. **CRACKING TEETH** are independently replaceable.
4. **WEAR SHROUDS** eliminate surface welding and protect base metal.
5. **BLADES** are reversible with 4 cutting edges. Threaded holes, slotted shims for quick, easy maintenance.

1. **SIDE & CENTER BREAKER BARS** are independently replaceable.
2. **WEAR PARTS** are independently replaceable as front teeth wear 50–70% faster than other wear components. Reduce operating costs by replacing only the parts you need.
   - **A. PICK-UP TEETH**
   - **B. CRACKING TEETH**
   - **C. RIPPER TOOTH**
3. **WEAR SHROUDS** eliminate surface welding and protects base metal.
4. **BLADES** are reversible with 4 cutting edges. Threaded holes, slotted shims for quick, easy maintenance.

PROCESS REINFORCED CONCRETE

PULVERIZER (P) JAW

Built for:

- Primary and secondary demolition
- Rebar and concrete separation
- Great picking capability

How it works:

- Pick-up tips maneuver concrete easily into the jaw
- Ripper tooth for initial cracking
- Breaker bars work with cracking teeth to pulverize concrete, separate rebar
- Inner cutting blades for rebar

The result:

- Total concrete and rebar separation
- Concrete is reduced to the smallest size

Pulverizer (P) Jaw Overview

CUT REINFORCED CONCRETE

UNIVERSAL (U) JAW

Built for:

- Down-sizing concrete for crushers
- Sectioning concrete
- Precision demolition

How it works:

- Ripper tooth for initial cracking
- Full length blades line both sides of the jaw
- Cuts on both sides of the jaw, every cycle

The result:

- Cleanly cut segments of concrete
- Rebar cleanly cut to the edge of the concrete

Universal (U) Jaw Overview

1. **HEEL PROTECTION** is integrated with bottom teeth.
2. **RIPPER TOOTH**
3. **BLADES** are reversible with 2 cutting edges and are full length, both sides. Threaded holes, slotted shims for quick, easy maintenance.
4. **BLADE/JAW SHAPE** works like cracking teeth.
5. **OPEN BOTTOM JAW (not shown)** allows material to pass through.

1. **HEEL PROTECTION** is included as part of upper and lower teeth.
2. **SIDE WEAR PUCKS** are on both sides of both jaws.
3. **CRACKING TEETH**
4. **WEAR SHROUDS** eliminate surface welding and protect base metal.
5. **BLADES** are reversible with 4 cutting edges. Threaded holes, slotted shims for quick, easy maintenance.

CRUSH REINFORCED CONCRETE

CONCRETE CUTTER (CC) JAW

Built for:

- Primary demolition
- Elevated, heavily reinforced concrete decking
- Cutting structural steel

How it works:

- On first cycle, teeth crack concrete and expose steel
- On second cycle, blades cut exposed steel and teeth crush additional concrete

The result:

- Fast removal of concrete decking
- Demolition of concrete convered steel structures.

Concrete Cutter (CC) Overview

CUT STRUCTURAL STEEL

SHEAR (S) JAW

Built for:

- Primary and secondary demolition
- Demolition of steel structure
- Processing scrap metal to required sizes

How it works:

- Tip pierces, beginning the cut on items larger than jaw depth
- Blades cut steel to desired size

The result:

- Steel is cut and sized for mill grades and transportation

Shear (S) Jaw Overview

1. **BLADES** are reversible with 4 cutting edges. Threaded holes, slotted shims for quick, easy maintenance.
2. **PIERCING TIP** is weld-on for good piercing ability.
3. **WEAR PLATE** is bolt-on and replaceable.
4. **GUIDE & CROSS BLADES** (not shown) keeps jaws aligned while cutting and protects base metal.
5. **OPEN BOTTOM JAW** allows piercing tip to pass through.

1. **BLADES** line full length of jaw, both sides and cut on both sides of the jaw.They are reversible with 4 cutting edges. Threaded holes, slotted shims for quick, easy change out.
2. **EXCELLENT JAW DEPTH** for faster production
3. **PIERCING TIP**
4. **OPEN BOTTOM JAW** allows material to pass through.

CUT PLATE STEEL

TANK SHEAR (TS) JAW

Built for:

- Steel plate grain bins, water, oil and fuel tanks
- Plate steel scrap

How it works:

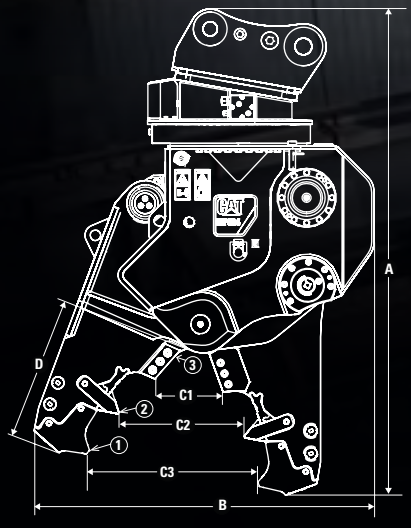
- Piercing tip makes initial opening to allow jaw to begin the cut
- Jaw cuts section from tank with every cycle
- Steel is cut to required sizes

The result:

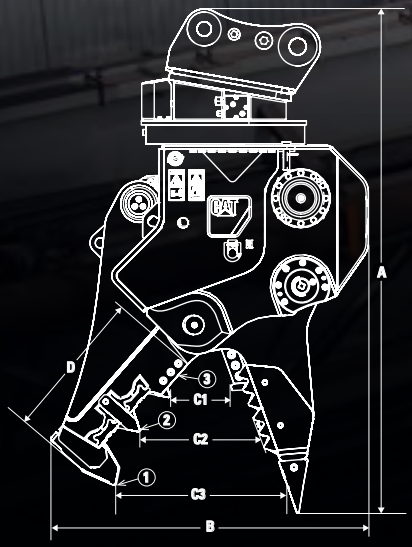
- Steel is cleanly sectioned
- Sectioned steel lays flat and is easy to stack for transport
- Steel is sized for transport and recycling

Tank Shear (TS) Jaw Overview

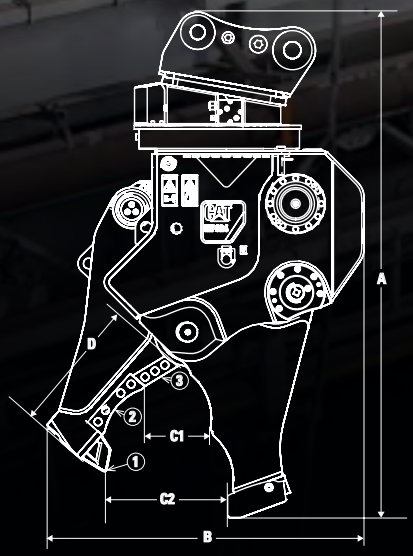
Demolition (D) Jaw



Pulverizer (P) Jaw



Universal (U) Jaw

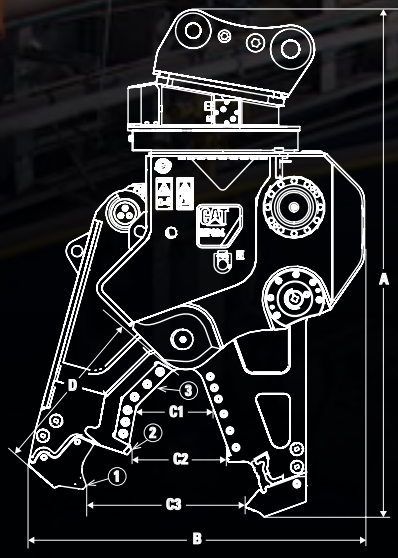


MP318

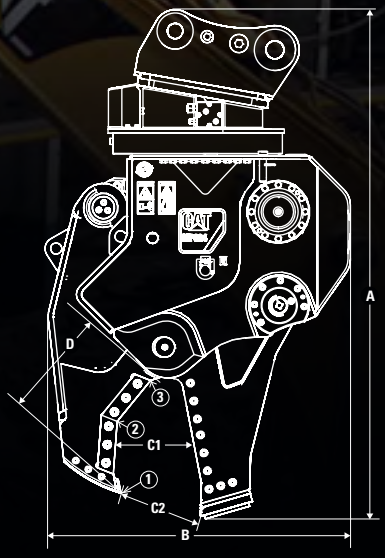
				Demolition (D)		Pulverizer (P)		Universal (U)		Concrete Cutter (CC)		Shear (S)	
Cat carrier match*				318-324; 330-385 UHD									
Dimensions													
A	Length	mm	(in)	1,935	(76.2)	2,006	(79.0)	2,000	(78.7)	1,972	(77.6)	1,897	(74.7)
B	Height	mm	(in)	1,368	(53.9)	1,307	(51.5)	1,274	(50.2)	1,296	(51.0)	1,298	(51.1)
	Width	mm	(in)	793	(31.2)	793	(31.2)	793	(31.2)	793	(31.2)	793	(31.2)
	Jaw width, fixed	mm	(in)	120	(4.7)	480	(18.9)	379	(14.9)	299	(11.8)	300	(11.8)
	Jaw width, movable	mm	(in)	120	(4.7)	300	(11.8)	214	(8.4)	104	(4.1)	88	(3.5)
C1	Jaw Opening 1	mm	(in)	271	(10.7)	275	(10.8)	326	(12.8)	324	(12.8)	312	(12.3)
C2	Jaw Opening 2	mm	(in)	549	(21.6)	482	(19.0)	468	(18.4)	368	(14.5)	322	(12.7)
C3	Jaw Opening 3	mm	(in)	736	(29.0)	820	(32.3)	-	-	682	(26.9)	-	-
D	Jaw depth	mm	(in)	645	(25.4)	662	(26.1)	565	(22.2)	645	(25.4)	490	(19.3)
	Cutter Length	mm	(in)	150	(5.9)	200	(7.9)	399	(15.7)	382	(15.0)	382	(15.0)
Specifications													
	Weight, Jaw and Housing	kg	(lb)	1,944	(4,277)	2077	(4,569)	1,970	(4,334)	1,933	(4,253)	1,873	(4,121)
	Weight, Jaw	kg	(lb)	733	(1,613)	865	(1,903)	758	(1,668)	721	(1,586)	661	(1,454)
	Cycle Time	seconds		2.6		2.6		2.6		2.6		2.6	
1	Closing Force, Tooth Tip	kN	(st)	721	(81.0)	695	(78.1)	803	(90.2)	719	(80.8)	975	(109.6)
2	Closing Force, Cutter Tip	kN	(st)	1,038	(116.6)	1,004	(112.8)	1,339	(150.5)	1,075	(120.8)	1,656	(186.1)
3	Closing Force, Primary Cutter	kN	(st)	2,409	(270.7)	2,279	(256.1)	2,511	(282.1)	2,325	(261.2)	3,663	(411.6)

* Contact your local Cat dealer to choose the right multi-processor for your machine's configuration.

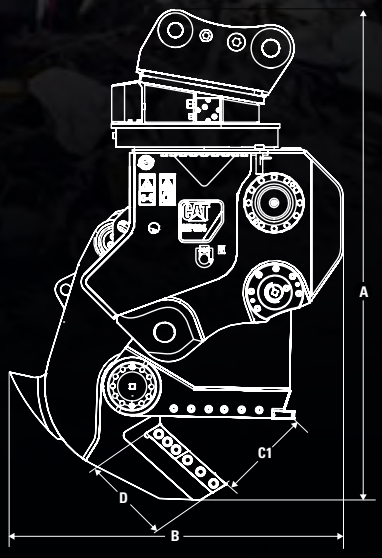
Concrete Cutter (CC) Jaw



Shear (S) Jaw



Tank Shear (TS) Jaw



MP324

				Demolition (D)		Pulverizer (P)		Universal (U)		Concrete Cutter (CC)		Shear (S)		Tank Shear (TS)	
Cat carrier match*				324-336, 330-365 UHD and Apex 70-100											
Dimensions															
A	Length	mm	(in)	2,079	(81.9)	2,183	(85.9)	2,194	(86.4)	2,133	(84.0)	2,082	(82.0)	2,129	(83.8)
B	Height	mm	(in)	1,593	(62.7)	1,466	(57.7)	1,464	(57.6)	1,485	(58.5)	1,419	(55.9)	1,571	(61.9)
	Width	mm	(in)	793	(31.2)	793	(31.2)	793	(31.2)	793	(31.2)	793	(31.2)	793	(31.2)
	Jaw width, fixed	mm	(in)	132	(5.2)	519	(20.4)	454	(17.9)	344	(13.5)	312	(12.3)	286	(11.3)
	Jaw width, movable	mm	(in)	132	(5.2)	337	(13.3)	235	(9.3)	122	(4.8)	93	(3.7)	120	(4.7)
C1	Jaw Opening 1	mm	(in)	365	(14.4)	330	(13.0)	422	(16.6)	380	(15.0)	368	(14.5)	485	(19.1)
C2	Jaw Opening 2	mm	(in)	677	258.0	588	(23.1)	642	(25.3)	513	(20.2)	394	(15.5)	-	-
C3	Jaw Opening 3	mm	(in)	903	(35.6)	965	(38.0)	-	-	826	(32.5)	-	-	-	-
D	Jaw depth	mm	(in)	756	(29.8)	764	(30.1)	680	(26.8)	753	(29.6)	610	(24.0)	490	(19.3)
	Cutter Length	mm	(in)	191	(7.5)	200	(7.9)	526	(20.7)	439	(17.3)	496	(19.5)	439	(17.3)
Specifications															
	Weight, Jaw and Housing	kg	(lb)	2,687	(5,911)	2,826	(6,217)	2,735	(6,017)	2,661	(5,854)	2,576	(5,667)	2,761	(6,074)
	Weight, Jaw	kg	(lb)	1,061	(2,334)	1,200	(2,640)	1,109	(2,440)	1,035	(2,277)	950	(2,090)	1,135	(2,497)
	Cycle Time	seconds		3		3		3		3		3		3	
1	Closing Force, Tooth Tip	kN	(st)	1,002	(112.6)	971	109.1	1,083	(121.7)	1,005	(112.9)	1,285	(144.4)	1,507	(169.3)
2	Closing Force, Cutter Tip	kN	(st)	1,427	(160.3)	1,449	162.8	1,724	(193.7)	1,520	(170.8)	2,214	(248.8)	2,189	(246.0)
3	Closing Force, Primary Cutter	kN	(st)	3,308	(371.7)	3,277	368.2	3,386	(380.5)	3,202	(359.8)	5,393	(606.0)	3,976	(446.8)

Contact your local Cat dealer to choose the right multi-processor for your machine's configuration.

Cat Multi-Processors

Crushing Capacity

Concrete class is B25-B35 (3,000-5,000 psi).

	MP318				MP324			
	Demolition (D)	Pulverizer (P)	Universal (U)	Concrete Cutter (CC)	Demolition (D)	Pulverizer (P)	Universal (U)	Concrete Cutter (CC)
Concrete Thickness mm (in)	600 (23.6)	550 (21.7)	450 (17.7)	550 (21.7)	700 (27.6)	650 (25.6)	600 (23.6)	650 (25.6)

Cutting Capacity

	MP318		MP324		
	Concrete Cutter (CC)	Shear (S)	Concrete Cutter (CC)	Shear (S)	Tank Shear (S)
Narrow I-beams	**IPE 300**	**IPE 300**	**IPE 400**	**IPE 400**	
Width mm (in)	300 (12.0)	300 (12.0)	404 (15.9)	404 (15.9)	
Height mm (in)	150 (5.91)	150 (5.91)	182 (7.2)	182 (7.2)	
Web Thickness	7.1 (0.28)	7.1 (0.3)	8.6 (0.3)	8.6 (0.3)	
Flange Thickness	10.7 (0.42)	10.7 (0.42)	13.5 (0.5)	13.5 (0.5)	
Wide I-beams	**HE-A 200**	**HE-A 200**	**HE-A 260**	**HE-A 260**	
Width mm (in)	190 (7.5)	190 (7.5)	250 (9.8)	250 (9.8)	
Height mm (in)	200 (7.87)	200 (7.87)	260 (10.2)	260 (10.2)	
Web Thickness	6.5 (0.3)	6.5 (0.3)	7.5 (0.3)	7.5 (0.3)	
Flange Thickness	10 (0.39)	10 (0.39)	12.5 (0.5)	12.5 (0.5)	
Bar					
Round mm (in)	65 (2.6)	65 (2.6)	80 (3.1)	80 (3.1)	
Square mm (in)	60 (2.4)	60 (2.4)	70 (2.8)	70 (2.8)	
Pipe					
Diameter mm (in)		219 (8.6)		273 (10.7)	
Wall Thickness mm (in)		8 (0.3)		9 (0.4)	
Plate Steel					
Tensile Strength 370 Mpa / 53664 psi mm (in)		12 (0.5)		14 (0.6)	25 (1.0)
Tensile Strength 370 Mpa / 53664 psi mm (in)					20 (0.8)

Overview ***Versatility***

GEHQ0205 (01-14)

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