

P115/P120 P130/P140

Mechanical
Pulverizers



<u>Pulverizer Model</u>	<u>Cat Excavator</u>	<u>Linkage</u>
P115	318C	B
	320C	B/C
	322C	B
P120	322C	S/D
	325C	C/D

<u>Pulverizer Model</u>	<u>Cat Excavator</u>	<u>Linkage</u>
P130	330C	D/E
	345C	F/G
P140	350	F/G
	365B L II	VB/WB

Cat® P115, P120, P130, P140 Mechanical Pulverizer

A cost effective demolition tool.

The excavator mounted mechanical pulverizer is a cost-effective tool for recycling demolished concrete debris. The bucket cylinder on the excavator powers the mechanical pulverizer. This eliminates the need for a dedicated cylinder and associated hydraulics and additional installation cost.

Stick Tension Relief

The incorporation of a stick reliever is unique to the Cat Pulverizer. It helps reduce the possibility of damage to the front end of the excavator stick that may

occur when high reactive forces are generated. These forces occur when an attempt is made to break thick, hard chunks of concrete with added down pressure from the excavator. These forces are channeled back through both the stick and the stick reliever significantly reducing the force impacting the front of the stick.

The concentration of the force in only a few of the 14 pointed teeth as they begin impacting the concrete combined with the force enhancing extended linkage

reduces the gap between the crushing force of the mechanical and more powerful hydraulic secondary pulverizer. Furthermore, the grinding action by the teeth in the mechanical pulverizers is an efficient use of force. This action requires less force than pulverization through compression used in many hydraulic concrete recycling pulverizers.

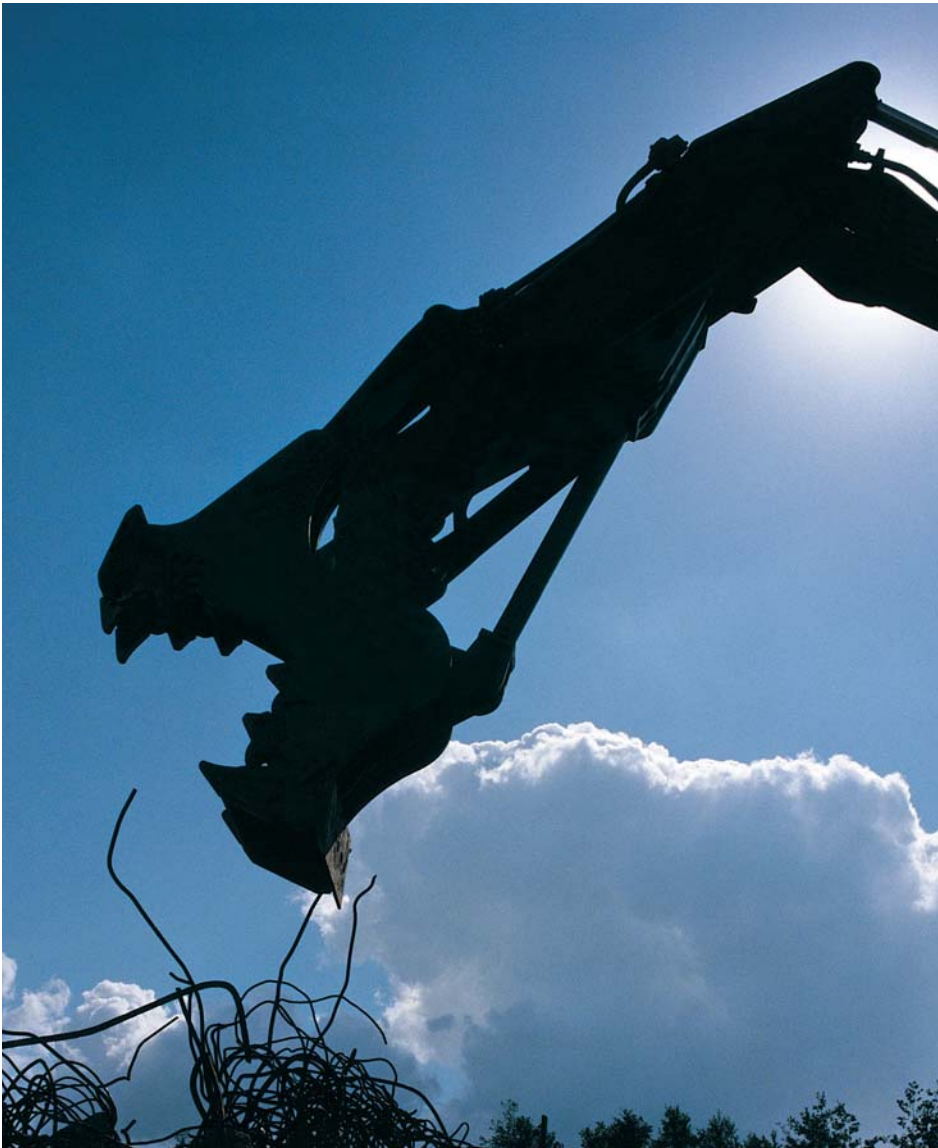
Replaceable abrasion resistant crusher teeth and wear resistant steel in the jaws can help reduce maintenance cost and down time to very competitive levels.

Commonality

Shears and pulverizers utilize the same welded mounting plate on the stick within the same weight class of machines. This compatibility among tools affords cost and time savings.

Advantages:

- Extended bucket linkage increases crushing force.
- Stick reliever reduces stress on stick.
- Bolt-on breaker plates on lower jaw enhance pulverizing.
- Efficient pulverization through grinding action by the jaws.
- Operated by bucket cylinder eliminating need for third function.
- Individually replaceable teeth.



Mechanical Pulverizer



Matching Guide

Stick Mounted / Reach Boom

Model	Cat Excavator	Stick Range	
		meters	feet
P115	318C	2.25–3.2 m	7' 5"–10' 6"
	320C	1.9–3.9 m	6' 3"–12' 9"
	322C	3.6 m	11' 10"
P120	322C	2.5–2.95 m	8' 2"–9' 8"
	325C	2.65–3.2 m	8' 8"–10' 6"
P130	330C	3.2–3.9 m	10' 6"–12' 10"
	345C	3.4–4.8 m	11' 2"–15' 9"
P140	350	3.1–4.8 m	10' 2"–15' 9"
	365B L II	2.8–4.67m	9'4"–15'4"

*GP Boom.

Specifications

		P115	P120	P130	P140
Weight including bracket		1950 kg 4,300 lb	2650 kg 5,845 lb	3300 kg 7,275 lb	5400 kg 11,900 lb
Dimensions					
Length		3115 mm 122.6"	3170 mm 124.8"	3475 mm 136.8"	4010 mm 157.9"
Height		1685 mm 66.3"	1760 mm 69.3"	1875 mm 73.8"	2275 mm 89.6"
Jaw width (fixed)		600 mm 23.6"	650 mm 25.6"	650 mm 25.6"	800 mm 31.5"
Jaw width (moving)		350 mm 13.8"	400 mm 15.7"	400 mm 15.7"	500 mm 19.7"
Jaw opening*	min.	650 mm 25.6"	725 mm 28.5"	875 mm 34.4"	1250 mm 49.2"
	max.	800 mm 31.5"	825 mm 32.5"	975 mm 38.4"	1400 mm 55.1"
Jaw depth		660 mm 26.0"	675 mm 26.6"	775 mm 30.5"	900 mm 35.4"
Forces					
At tooth tip	min.	240 kN 27 st	395 kN 44 st	540 kN 61 st	600 kN 67 st
	max.	375 kN 42 st	500 kN 56 st	800 kN 90 st	875 kN 98 st
At 2nd tooth	min.	300 kN 34 st	550 kN 62 st	675 kN 76 st	775 kN 87 st
	max.	540 kN 61 st	715 kN 80 st	985 kN 111 st	1100 kN 124 st
At tooth throat	min.	525 kN 59 st	870 kN 98 st	950 kN 107 st	1050 kN 118 st
	max.	850 kN 96 st	1100 kN 124 st	1300 kN 146 st	1500 kN 169 st
Excavator size	min.	15000 kg 33,000 lb	20000 kg 44,000 lb	30000 kg 66,000 lb	40000 kg 88,000 lb
	max.	25000 kg 55,000 lb	35000 kg 77,000 lb	45000 kg 100,000 lb	65000 kg 140,000 lb
The welded mounting plate on the stick is compatible with the following work tools		P120 S115	P115 S115	S128	

Notes: *Depends on machine size.

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Caterpillar recommends falling object guards in applications where there is a possibility of falling objects. Please consult your Caterpillar dealer for these guards.

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