

Crusher Model	Cat Excavator
CR20	320B
	322B

Crusher Model	Cat Excavator
CR28	325B
	330B
	345B
	350

Crusher Model	Cat Excavator
CR35	345B
	350
CR50	375
*GP Boom.	375*

### Cat® CR20, CR28, CR35, CR50 Concrete Crushers

Most productive tools for demolishing thick, large diameter, reinforced concrete structures.

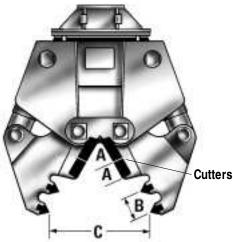
Cat Concrete Crushers are designed to quickly demolish reinforced concrete structures such as bridge decks, parking garages, support columns and abutments with a thickness or diameter up to 5 feet (150 cm).

The knives mounted in the throat of the crushers are perfectly capable of cutting rebars and lighter steel profiles in the concrete. This eliminates the need for torching the steel.

All crushers are equipped with a large diameter top mounted 360° rotator. This feature significantly enhances productivity by enabling the operator to quickly position the crushers over the structures to be demolished, whatever their angle or position.

The hydraulic rotator is protected by a pressure relief valve and two small accumulators to prevent excessive hydraulic pressures from damaging excavator sticks/booms.

Two powerful hydraulic cylinders provide the exceptional crushing force of the tools. The cylinders are equipped with swivel bearings. Oil supplied through the cylinder rod pushes the cylinder housing out when closing the jaws. This leaves the rod well inside the crusher body at all times.



	Each crushing arm has 2 cutters and 2 crushing teeth  Model CR20		and
CB28	A	350 mm (2 X 175 mm) 14" (2 X 7")	
	В	150 mm	6"
	С	Opening 720 mm	28.3"
PA SECOND	M odel	CR28	
	Α	400 mm (2 X 200 mm) 15.8" (2 X 7.9")	
	В	240 mm	9.5"
	С	915 mm	36"
	M odel	CR35	
	A	500 mm (2 X 250 mm) 19.6" (2 X 9.8")	
	В	280 mm	11"
	С	1190 mm	46.8"
and the second	M odel	CR50	
	Α	700 mm (2 X 350 mm) 28" (2 X 14")	
	В	260 mm	10.4"
	С	1620 mm	64.8"

# **Specifications**

All dimensions are approximate.

M ODEL	CR20	CR28	CR35	CR50
Approximate service weight, excluding mounting bracket	<b>2,300 kg</b> 5,080 lb	<b>3,100 kg</b> 6,850 lb	<b>4,200 kg</b> 9,300 lb	<b>7,000 kg</b> 15,450 lb
Length excluding mounting bracket	<b>2110 mm</b> 83 in	<b>2320 mm</b> 91.3 in	<b>2510 mm</b> 98.8 in	<b>3440 mm</b> 135.4 in
Jaw opening (maximum)	<b>720 mm</b> 28.3 in	<b>915 mm</b> 36.0 in	<b>1190 mm</b> 46.8 in	<b>1600 mm</b> 63 in
Jaw depth	<b>630 mm</b> 24.8 in	<b>750 mm</b> 29.5 in	<b>830 mm</b> 32.6 in	<b>880 mm</b> 34.6 in
Maximum crushing force				
Tip	<b>719 kN</b> 81 st	<b>784 kN</b> 88 st	<b>833 kN</b> 93.6 st	<b>1628 kN</b> 183 st
Middle tooth	<b>882 kN</b> 99 st	<b>1088 kN</b> 122 st	<b>1128 kN</b> 127 st	<b>2100 kN</b> 236 st
Maximum shearing force				
Cutting center	<b>2795 kN</b> 314 st	<b>3080 kN</b> 346 st	<b>4787 kN</b> 538 st	<b>6857 kN</b> 770 st
Maximum oil flow -				
Hydraulic cylinder	<b>180 L/min</b> 48 gpm	<b>350 L/min</b> 93 gpm	<b>350 L/min</b> 93 gpm	<b>579 L/min</b> 153 gpm
Cycle time*	7.3 sec	4.8 sec	6.2 sec	10.8 sec
Rotation	<b>20 L/min</b> 5 gpm	<b>20 L/min</b> 5 gpm	<b>20 L/min</b> 5 gpm	<b>20 L/min</b> 5 gpm
Maximum working pressure -				
Hydraulic cylinder	<b>34 300 kPa</b> 4980 psi			
Rotation	<b>17 200 kPa</b> 2465 psi	<b>17 200 kPa</b> 2465 psi	<b>17 200 kPa</b> 2465 psi	<b>17 200 kPa</b> 2465 psi
Hydraulic rotation continuous	360°	360°	360°	360°
Approximate base machine operating weight	<b>20 000 kg</b> 44,000 lb	<b>28 000 kg</b> 62,000 lb	<b>35 000 kg</b> 77,000 lb	<b>50 000 kg</b> 110,000 lb

<sup>\*</sup>Cycle time may vary due to machine configuration and operating conditions.

## **Matching Guide**

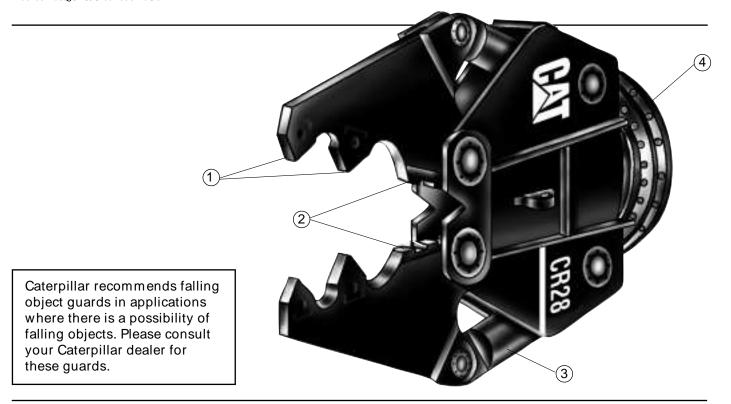
#### Stick Mounted / Reach Boom

Crusher M odel	Cat Excavator	Stick Range meters	feet	Crushe M odel	r C
CR20	320B	1.9 - 3.9 m	6' 3" - 12' 10"	CR35	3
	322B	2.0 - 3.6 m	6' 7" - 11' 10"		3
CR28	325B	2.0 - 3.2 m	6' 7" - 10' 6"	CR50	3
	330B	2.15 - 3.9 m	7' 1" - 12' 10"		3
	345B	4.8 m	15' 9"		
	350	4.8 m	15' 9"	*GP Boo	m.

Crusher M odel	Cat Excavator	Stick Range meters	feet
CR35	345B	2.9 - 3.9 m	9' 6" - 12' 10"
	350	3.1- 4.05 m	10' 2" - 13' 3"
CR50	375	2.9 - 5.5 m	9' 6" - 18' 1"
	375*	2.9 - 5.5 m	9' 6" - 18' 1"
*GP Booi	m.		

### **Concrete Crushers**

Replaceable crushing teeth and rebar cutters optimize productivity and minimize downtime.





**GEHQ0164** 

- 1) Four Bolted/welded on replaceable crusher teeth of special alloy steel with high abrasion resistance. They can be built up or replaced.
- (2) Four Replaceable rebar cutters with rotatable edges in the throat area. The cutters have four cutting edges each, which can all be used before the knives need be replaced.
- (3) Cylinder with oil supplied through the rod, pushes the cylinder housing out when closing the jaws. This leaves the rod protected inside the housing.
- 4 Large diameter slewing ring optimizing the strength of the rotation system.

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Caterpillar dealer for available options.

