



Chicago Pneumatic



CP3450
CP3451

High-performance products.
Designed for you!

For those that use straight and angle grinders in ▶ Shipyard ▶ Foundry ▶ Petrochem ▶ Metal working ▶ and other grinding applications

CP3450 and CP3451 with industry-leading cost to power ratio Excellent material removal for unmatched cost savings

Rear exhaust with optional silencer kit
Reduces noise and more environmentally friendly

Safety lever
Assists in preventing accidents

Non governed, very powerful motor for global market

Soft grip extension
Added comfort for the operator by reducing vibrations

Rotative valve
Special tool for specific markets*

Double bearings for industrial durability and best run out
Less maintenance and cost equals more productivity

Elastic collet 6 mm / 1/4" & 8 mm / 5/16"
Fits a wider range of applications and helps to prevent accidents

Safety lever can be positioned top & bottom
Fits all jobs & operator needs Assists in preventing accidents

Non governed, very powerful motor for global market

Left & right side handle
Optional low vibration handle
Added comfort for the operator by reducing vibrations, better efficiency

Longer life of bevel gears due to constant lubrication
Less maintenance and cost equals more productivity

Very low height of the angle head
Gives easy access in restricted areas

Rear exhaust with optional silencer kit
Comfort of the operator and environmentally friendly

Rotative valve
Special tool for specific markets*

4" - 4.5" - 5" Grinding Wheel
Fits a wider range of applications and helps to prevent accidents



CP3451

CAPACITY:

- 6 mm & 1/4" collet
- 8 mm & 5/16" collet
- 2.5" x 1/2" x 3/8" resinoid grinding wheel (63 x 12.7 x 9.5 mm)
- 3" x 1/2" x 3/8" reinforced grinding wheel (76 x 12.7 x 9.5 mm)

SPECIFICATIONS:

- 0.8 and 1 hp (600 and 750 W)
- 16,000 & 18,000 rpm
- 3.1 to 3.5 lbs (1.4 to 1.6kg)



CP3450

CAPACITY:

- Ø 4", 4.5" & 5" (102, 114 & 127mm)
- Depressed grinding wheels
- 3/8" x 24
- 5/8" x 11
- M14 x 2 threaded shafts

SPECIFICATIONS:

- 1.1 hp (850 W)
- 12,000 rpm
- 3.1 to 3.5 lbs (1.4 to 1.6kg)

Best material removal for investment ▶ Efficiency ▶ Power ▶ Durability



Over 100 years of experience

Since 1901 the Chicago Pneumatic name has represented high-performance tools and equipment designed for an extensive range of applications. Today, Chicago Pneumatic has a global reach, with local customer centers around the world. Chicago Pneumatic tools and air compressors are tailored to the needs of the industrial, vehicle service, and construction markets. Every day we develop and manufacture new products that are meant to meet your demands not only today, but tomorrow as well.

To learn more about our extensive range of tools, hydraulic attachments, industrial and portable compressors, accessories and workshop equipment, please visit www.cp.com.

CP3451

Straight Grinders



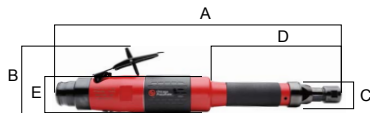
Glossary

Dimensions

CP3451-16SER25

CP3...	CP Industrial Grinders
CP3451	Name of the series
CP3451-16	Speed (16 = 16,000 / 18 = 18,000 rpm)
CP3451-16SE	S = Straight, SE = Extended
CP3451-16SER	R = Rotative valve (for specific market)*
CP3451-16SER25	Size of the wheel (25 = 2.5" / 3 = 3")
CP3451-18SERC	Collet Grinder

A = 13.5" / 310 mm E(∅) = 1.85" / 47 mm
 B = 3.35" / 85 mm
 C (∅) = 1.2" / 30 mm
 D = 6.5" / 165 mm



Characteristics

Caution: comply with the speeds recommended by component and abrasive manufacturers

CP3451	PART NUMBER	FREE SPEED	POWER		CAPACITY WHEEL	AIR CONSUMPTION		NET WEIGHT		NOISE LEVEL
		rpm	W	hp	mm / in.	l/s	cfm	kg	lb	dB(A)
CP3451-18SEC	615 160 2010	18,000	750	1	Collet 6 / 1/4"	14.0	30	1.4	3.1	91
CP3451-16SE25	615 160 2020	16,000	600	0.8	63 / 2.5"	14.0	30	1.5	3.3	92
CP3451-18SE3**	615 160 2030	18,000	750	1	80 / 3"	14.0	30	1.6	3.5	91
*CP3451-18SERC	615 160 2040	18,000	750	1	Collet 6 / 1/4"	14.0	30	1.4	3.1	91
*CP3451-16SER25	615 160 2050	16,000	600	0.8	63 / 2.5"	14.0	30	1.5	3.3	92
*CP3451-18SER3**	615 160 2060	18,000	750	1	80 / 3"	14.0	30	1.6	3.5	91

All models - Air Inlet 3/8" NPTF - Vibration <2.5 m/s² * Rotative valve ONLY for specific market - NOT in accordance with ANSI and ISO requirement.

Accessories

Silencer kit	615 574 0760
Collet 6mm - 1/4"	615 526 0620
Collet 8mm - 5/16"	615 526 0640
Cone wheel adapter	615 542 1330
Tune-up kit	615 397 3030



CP3450

Angle Grinders



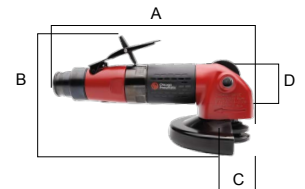
Glossary

Dimensions

CP3450-12ACR4

CP3...	CP Industrial Grinders
CP3450	Name of the series
CP3450-12	12,000 rpm
CP3450-12A	Angle Grinder
CP3450-12AC	Shaft Thread (A= M14, B= 5/8"x11, C= 3/8"x24)
CP3450-12ACR	R = Rotative valve (for specific market)*
CP3450-12ACR4	Size of the wheel (4 = 4" / 45 = 4.5" / 5 = 5")

A = 9.1" / 231 mm D(∅) = 1.85" / 47 mm
 B = 4.6" / 117 mm
 C = 1" / 26 mm



Characteristics

Caution: comply with the speeds recommended by component and abrasive manufacturers

CP3450	PART NUMBER	FREE SPEED	POWER		SPINDLE THREAD	CAPACITY WHEEL	AIR CONSUMPTION		NET WEIGHT		
		rpm	W	hp	in.	mm	in.	l/s	cfm	kg	lb
CP3450-12AC4	615 160 4010	12,000	850	1.1	3/8"-24	100	4.0	18.0	38	1.4	3.1
*CP3450-12ACR4	615 160 4020	12,000	850	1.1	3/8"-24	100	4.0	18.0	38	1.4	3.1
CP3450-12AC45	615 160 4030	12,000	850	1.1	3/8"-24	115	4.5	18.0	38	1.5	3.3
CP3450-12AA5	615 160 4040	12,000	850	1.1	M14 x 2	125	5.0	18.0	38	1.5	3.3
CP3450-12AB5	615 160 4050	12,000	850	1.1	5/8"-11	125	5.0	18.0	38	1.5	3.3

All CP3450 models - Noise level 90 dB(A)

All models - Air Inlet 3/8" NPTF - Vibration <2.5 m/s² * Rotative valve ONLY for specific market - NOT in accordance with ANSI and ISO requirement.

Silencer kit	615 574 0760
Low Vibration handle	615 576 0780
Sanding kit 4"	615 990 1900
Sanding kit 5"	615 990 1910
Tune-up kit	615 397 3030

