

# Operator's Manual



Chicago  
Pneumatic

**CP860, CP860E, CP860ES & CP860ESE**  
**Die Grinder**



## **⚠ WARNING**

*To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions before performing any such task.*

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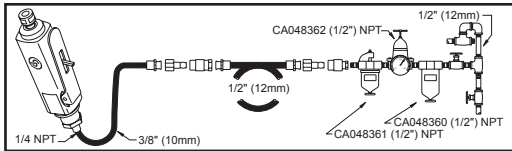
## INSTRUCTION MANUAL

### Machine Type:

Power tool equipped with 1/4 in. or 6 mm collet chuck for use with various burrs for polishing and grinding - No other use is permitted.

### Air Supply Requirements

1. Supply tool with 90 psig (6.3 bar) of clean, dry air. Higher pressure drastically reduces tool life.
2. Connect tool to air line using pipe, hose and fitting sizes shown in the diagram below.
3. Do not install a quick coupler directly into the grinder throttle handle.



### Lubrication

Use an air line lubricator with SAE #10 oil, adjusted to two drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.

### Maintenance

1. Disassemble and inspect air motor every three months if the tool is used every day. Replace damaged or worn parts.
2. High wear parts are underlined in the parts list.

### Technical Data

1/4 in. collet; CP860 & CP860ES  
6 mm collet; CP860E & CP860ESE  
Free speed 24,000 RPM  
Air pressure 90 psi (6.3 bar)  
Air consumption; 5 cfm

### Original Instructions

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### Noise & Vibration Declaration\*

Sound pressure level 90 dB(A), uncertainty 3 dB(A), in accordance with EN ISO 15744. For sound power, add 11 dB(A).

Vibration value;

$a = 3.7 \text{ m/s}^2$ , uncertainty  $k = 1.5 \text{ m/s}^2$ , re. ISO 20643.

Declaration of noise and vibration emission

All values are current as of the date of this publication. For the latest information please visit cp.com.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user. We, Chicago Pneumatic, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found at <http://www.humanvibration.com/EU/VIBGUIDE.htm>

We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.

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