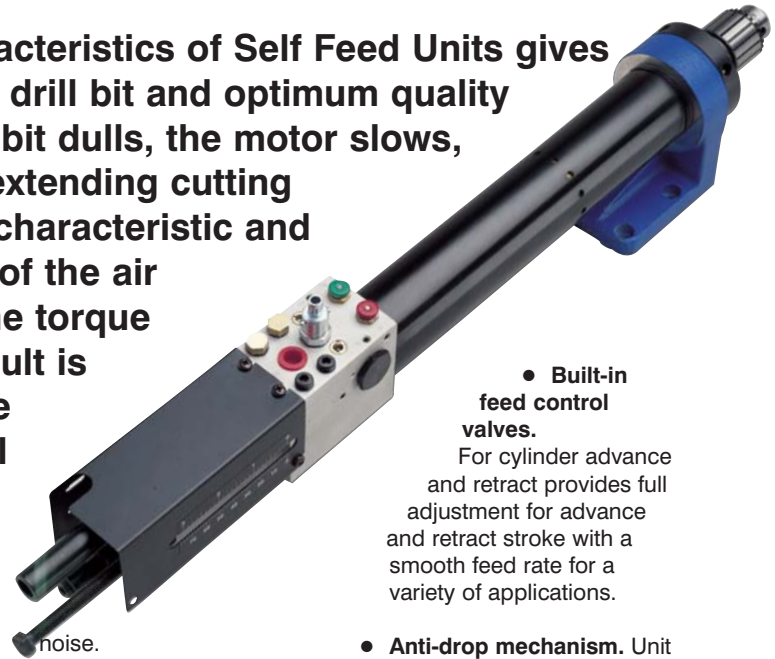


Pneumatic Self Feed Drill

The air motor characteristics of Self Feed Units gives optimum life to the drill bit and optimum quality of the hole. As the bit dulls, the motor slows, torque increases, extending cutting ability. This motor characteristic and the variable thrust of the air cylinder balance the torque and thrust. The result is optimum cycle time for a given material and drill bit, limited only by the maximum capacity of the unit.



FEATURES

- Supplied with a standard $\frac{3}{8}$ " - 24UNF output spindle thread and a standard chuck
- Supplied with a common supply setup which is appropriate for most applications
- **Note** For multiple spindle applications, the heads shown on page 19 will thread directly onto the

BENEFITS

- **High efficiency air motor.** Provides maximum power in a minimum size with minimal air consumption.
- **Changeable motor restrictors.** Ensures optimum performance and minimum air consumption for a wide variety of applications.
- **Hardened alloy steel components.** Ensures maximum operating life expectancy.
- **Full bearing support.** Precision gears provide excellent power transmission without gear

noise.

- **Full modular design.** Because each section of the tool is a self-contained unit, the result is fast, easy speed conversion and minimum downtime. Maintenance is simple and quick.
- **Internal noise reduction.** Noise levels of 83 dB(A) can be reduced by using an exhaust collector ring.
- **Chrome plated feed tube and chemically treated steel components.** Help extend life of the tool by reducing the possibility of rust in moist conditions.
- **Self lubricating double acting cylinder with U Cup seals.** Cylinder provides low breakaway and smooth feed even under poor air supply conditions. Full thrust is supplied to the

- **Built-in feed control valves.**

For cylinder advance and retract provides full adjustment for advance and retract stroke with a smooth feed rate for a variety of applications.

- **Anti-drop mechanism.** Unit will automatically retract or stay retracted in the event of an air supply failure.
- **Independent or combined air supply ports for the air motor and cylinder.** The independent supply ensures that full pressure is applied to the cylinder. (A combined supply means the cylinder only sees the back pressure of the air motor). For general purposes the tool can be used with a single supply.
- **Remote advance and retract porting.** Used for partial or fully automatic control of units.
- **Automatic return valve with isolation capability.** The valve provides an automatic retract signal when the preset depth is reached. By inserting a plug, the signal can be used to signal external controls that the unit has reached full depth.

- **Built-in Soft Start.** Gives acceleration to full speed over first 6 mm of stroke to protect gearboxes.
- **Corrosion resistant cylinder wall.** Will not rust with moist air.

Technical Data

Model No.	Free rpm	Std. Chuck Size (mm)	Gear Reductions	Weight (kg)
DD5A06C	600	10	Double	5.1
DD5A09C	900	10	Double	5.1
DD5A15C	1500	10	Double	5.1
DD5A25C	2500	10	Single	4.9
DD5A33C	3300	10	Single	4.9
DD5A50C	5000	10	Single	4.9
DD5A170C	17000	6.5	Single	4.9

1mm = 0.03937 inches

1 kg = 2.204 pounds