

DESCRIPTION

Air-Mite has been manufacturing pneumatic presses since 1952. We are continuously improving the durable, time-tested design of our presses – our current line offers versatility, ease of use, and affordability. Pneumatic presses offer a simple means of applying force by using standard compressed air to perform a variety of pressing operations. By adjusting the pressure of the incoming air (within the limits), the user is able to greatly change the force applied by the press. Air-Mite presses are uniquely designed with adjustable height cylinders. Raising or lowering the cylinder on the column changes the distance between the worktable surface and the retracted rod (also known as “daylight”). This feature accommodates a variety of workpiece and tooling sizes with the purchase of only one press. All Air-Mite presses are easily customizable to fit your exact needs. In fact, most presses sold today are made to order (see below for common options).

PRESS SELECTION - Air-Mite press models are classified by the amount of force that they exert. From the smallest DPS4 model, which provides 400 pounds of force at 100 psi of compressed air, to the largest CMS58, which delivers nearly 5800 pounds of force at the same line pressure, Air-Mite presses offer a wide range of pressing power.

After determining the model of press needed, the next step in selecting a press is specifying the stroke length. Our unique design allows for virtually any stroke length required. After that, just select from the wide variety of options offered to determine the press best suited for your specific application.

APPLICATIONS - Air-Mite presses can be used for a variety of applications including, but not limited to, staking, forming, punching, riveting, fastening, crimping, pressing, stamping, broaching, and shearing.

FEATURES AND OPTIONS

STANDARD FEATURES

- Sturdy bench top design
- Heavy-duty cast iron base with machined platen (work surface)
- Solid steel column Reliable, maintenance-free Air-Mite tie rod cylinders
- Rigid cast iron cylinder mounting brackets
- Durable powder-coated finish on all cast iron parts
- 6” maximum standard daylight
- 120 psi maximum supplied air pressure
- 250° F maximum operating temperature (higher temperature option available)
- Made in USA

WARNING:

Whenever air arbor presses are manually operated two hand anti-tie down controls must be used. Presses are sold under conditions that all OSHA regulations be met by users.

OPTIONS

- Variety of pneumatic or electric press safety control packages available
- Special machining of rod end, such as internal threads, external threads, milled flats, drilled holes, custom length, etc.
- Double rod provides two benefits— adjustable stroke limiter (for micro adjustment of the piston rod travel on the down stroke) and extra stability of the rod
- Extra column height offers additional daylight to accommodate tall tooling or parts
- Filter/regulator both ensures clean air supply and allows for adjustable force
- Flow controls to regulate press speed
- FKM seals to accommodate high temperature applications up to 400° F
- Non-rotating rod with internal guide; new design eliminates pinch points (Standard rod can rotate in cylinder)
- Custom machining to platen
- Stainless steel rod and column for added corrosion resistance
- Quick exhaust valves to provide faster operation



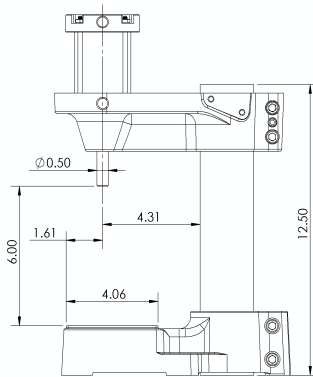
CMS4 400lb Pneumatic Press

Features Include:

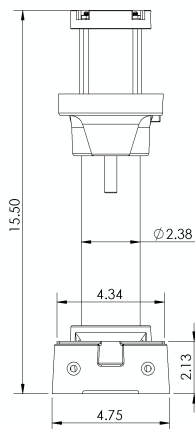
400 lbs of force at 100 psi
2.25" Bore, single piston cylinder
0.5" rod diameter
4.31" throat depth
120 psi maximum supplied air pressure
Rigid cast iron cylinder mounting bracket
6061 aluminum machined cylinder cap
Made in USA

Ordering

CMS4DR- NT4 W D8-33
1 2 3 4 5 6 7 8



- 1 A= single-acting (spring return) cylinder
C= double-acting cylinder
- 2 blank= single rod
DR= double rod
- 3 stroke length in inches
- 4 blank= standard rotatable rod
N= non-rotating rod
- 5 blank= no rod threading
T2= 1/2"-20 external threaded rod
T3= 7/16"-20 reduced external threaded rod
T4= 1/4"-28 internal threaded rod
T5= other custom rod
- 6 blank= no wrench flats
W= wrench flats
- 7 blank= standard 6" daylight
D__= daylight (e.g. D8= 8" total daylight)
- 8 blank= no safety controls
-33= standard pneumatic safety control package



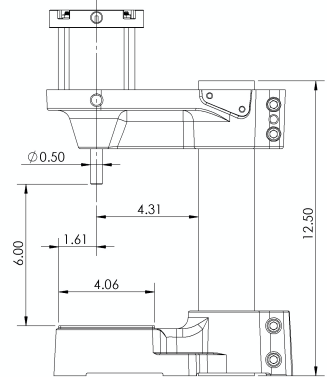
CMS7 700 lb Pneumatic Press

Features Include:

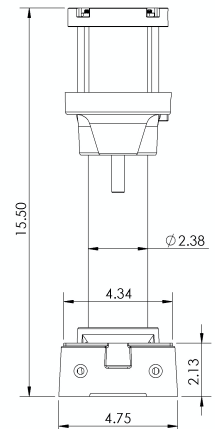
710 lbs of force at 100 psi
3" Bore, single piston cylinder
0.5" rod diameter
4.31" throat depth
120 psi maximum supplied air pressure
Rigid cast iron cylinder mounting bracket
6061 aluminum machined cylinder cap
Made in USA

Ordering

CMS7DR- NT4 W D8-33
1 2 3 4 5 6 7 8



- 1 A= single-acting (spring return) cylinder
C= double-acting cylinder
- 2 blank= single rod
DR= double rod
- 3 stroke length in inches
- 4 blank= standard rotatable rod
N= non-rotating rod
- 5 blank= no rod threading
T2= 1/2"-20 external threaded rod
T3= 7/16"-20 reduced external threaded rod
T4= 1/4"-28 internal threaded rod
T5= other custom rod
- 6 blank= no wrench flats
W= wrench flats
- 7 blank= standard 6" daylight
D__= daylight (e.g. D8= 8" total daylight)
- 8 blank= no safety controls
-33= standard pneumatic safety control package





CMS 12 1200 lb Pneumatic Press

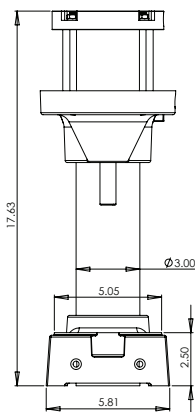
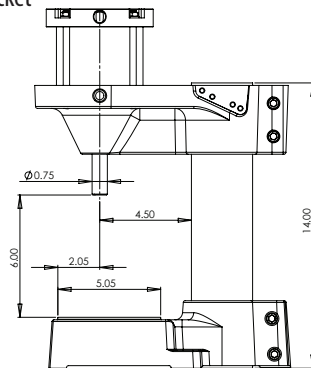
Features Include:

1260 lbs of force at 100 psi
 4" Bore, single piston cylinder
 Double-acting cylinder*
 0.75" rod diameter
 4.5" throat depth
 120 psi maximum supplied air pressure
 Rigid ductile iron cylinder mounting bracket
 6061 aluminum machined cylinder cap
 PTFE piston wear strips
 Hardcoat anodized tubing
 Made in USA

Ordering

CMS12DR- N T4 W D8-33
 1 2 3 4 5 6 7

- 1 blank=single rod
 DR= double rod
- 2 stroke length in inches
- 3 blank= standard rotatable rod
 N= non-rotating rod
- 4 blank= no rod threading
 T2= 3/4"-16 external threaded rod
 T3= 1/2"-20 reduced external threaded rod
 T4= 3/8"-24 internal threaded rod
 T5= other custom rod
- 5 blank= no wrench flats
 W= wrench flats
- 6 blank= standard 6" daylight
 D__= daylight (e.g. D8= 8" total daylight)
- 7 blank= no safety controls
 -33= standard pneumatic safety control package



* Contact us for single acting option.



CMS 19 1900 lb Pneumatic Press

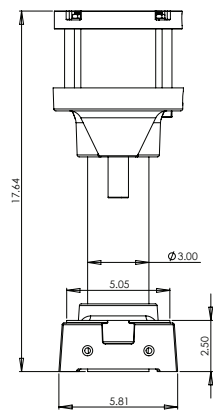
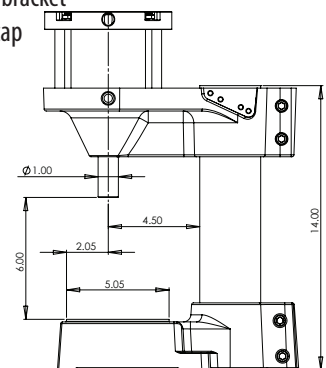
Features Include:

1960 lbs of force at 100 psi
 5" Bore, single piston cylinder
 Double-acting cylinder*
 1" rod diameter
 4.5" throat depth
 120 psi maximum supplied air pressure
 Rigid ductile iron cylinder mounting bracket
 6061 aluminum machined cylinder cap
 PTFE piston wear strips
 Hardcoat anodized tubing
 Made in USA

Ordering

CMS19DR- N T4 W D8-33
 1 2 3 4 5 6 7

- 1 blank=single rod
 DR= double rod
- 2 stroke length in inches
- 3 blank= standard rotatable rod
 N= non-rotating rod
- 4 blank= no rod threading
 T2= 1"-14 external threaded rod
 T3= 3/4"-16 reduced external threaded rod
 T4= 1/2"-20 internal threaded rod
 T5= other custom rod
- 5 blank= no wrench flats
 W= wrench flats
- 6 blank= standard 6" daylight
 D__= daylight (e.g. D8= 8" total daylight)
- 7 blank= no safety controls
 -33= standard pneumatic safety control package



* Contact us for single acting option.



CMS 24 2400 lb Pneumatic Press

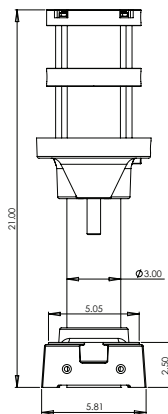
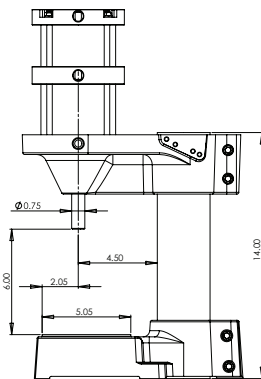
Features Include:

2470 lbs of force at 100 psi
 4" Bore, double piston cylinder
 Double-acting cylinder
 0.75" rod diameter
 4.5" throat depth
 120 psi maximum supplied air pressure
 Rigid ductile iron cylinder mounting bracket
 6061 aluminum machined cylinder cap
 PTFE piston wear strips
 Hardcoat anodized tubing
 Made in USA

Ordering

CMS24DR- N T4 W D8-33
 1 2 3 4 5 6 7

- 1 blank=single rod
 DR= double rod
- 2 stroke length in inches
- 3 blank= standard rotatable rod
 N= non-rotating rod
- 4 blank= no rod threading
 T2= 3/4"-16 external threaded rod
 T3= 1/2"-20 reduced external threaded rod
 T4= 3/8"-24 internal threaded rod
 T5= other custom rod
- 5 blank= no wrench flats
 W= wrench flats
- 6 blank= standard 6" daylight
 D__= daylight (e.g. D8= 8" total daylight)
- 7 blank= no safety controls
 -33= standard pneumatic safety control package



CMS 38 3800 lb Pneumatic Press

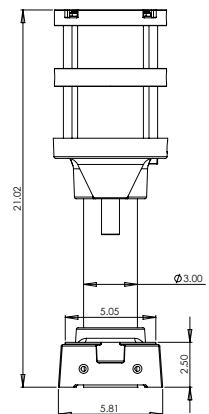
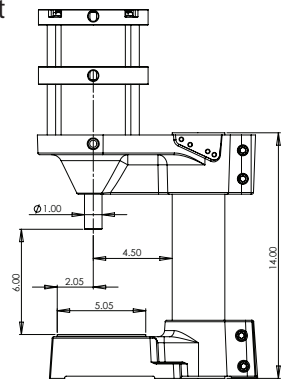
Features Include:

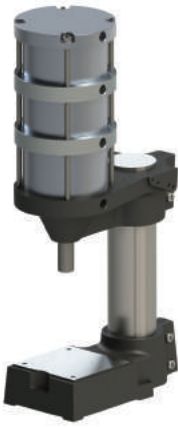
3850 lbs of force at 100 psi
 5" Bore, double piston cylinder
 Double-acting cylinder
 1" rod diameter
 4.5" throat depth
 120 psi maximum supplied air pressure
 Rigid ductile iron cylinder mounting bracket
 6061 aluminum machined cylinder cap
 PTFE piston wear strips
 Hardcoat anodized tubing
 Made in USA

Ordering

CMS38DR- N T4 W D8-33
 1 2 3 4 5 6 7

- 1 blank=single rod
 DR= double rod
- 2 stroke length in inches
- 3 blank= standard rotatable rod
 N= non-rotating rod
- 4 blank= no rod threading
 T2= 1"-14 external threaded rod
 T3= 3/4"-16 reduced external threaded rod
 T4= 1/2"-20 internal threaded rod
 T5= other custom rod
- 5 blank= no wrench flats
 W= wrench flats
- 6 blank= standard 6" daylight
 D__= daylight (e.g. D8= 8" total daylight)
- 7 blank= no safety controls
 -33= standard pneumatic safety control package





CMS 58 5800 lb Pneumatic Press

Features Include:

5730 lbs of force at 100 psi
 5" Bore, triple piston cylinder
 Double-acting cylinder
 1" rod diameter
 4.5" throat depth
 120 psi maximum supplied air pressure
 Rigid ductile iron cylinder mounting bracket
 6061 aluminum machined cylinder cap
 PTFE piston wear strips
 Hardcoat anodized tubing
 Made in USA

Ordering

CMS58DR- N T4 W D8-33
 1 2 3 4 5 6 7

- 1 blank=single rod
 DR= double rod
- 2 stroke length in inches
- 3 blank= standard rotatable rod
 N= non-rotating rod
- 4 blank= no rod threading
 T2= 1"-14 external threaded rod
 T3= 3/4"-16 reduced external threaded rod
 T4= 1/2"-20 internal threaded rod
 T5= other custom rod
- 5 blank= no wrench flats
 W= wrench flats
- 6 blank= standard 6" daylight
 D__= daylight (e.g. D8= 8" total daylight)
- 7 blank= no safety controls
 -33= standard pneumatic safety control package

