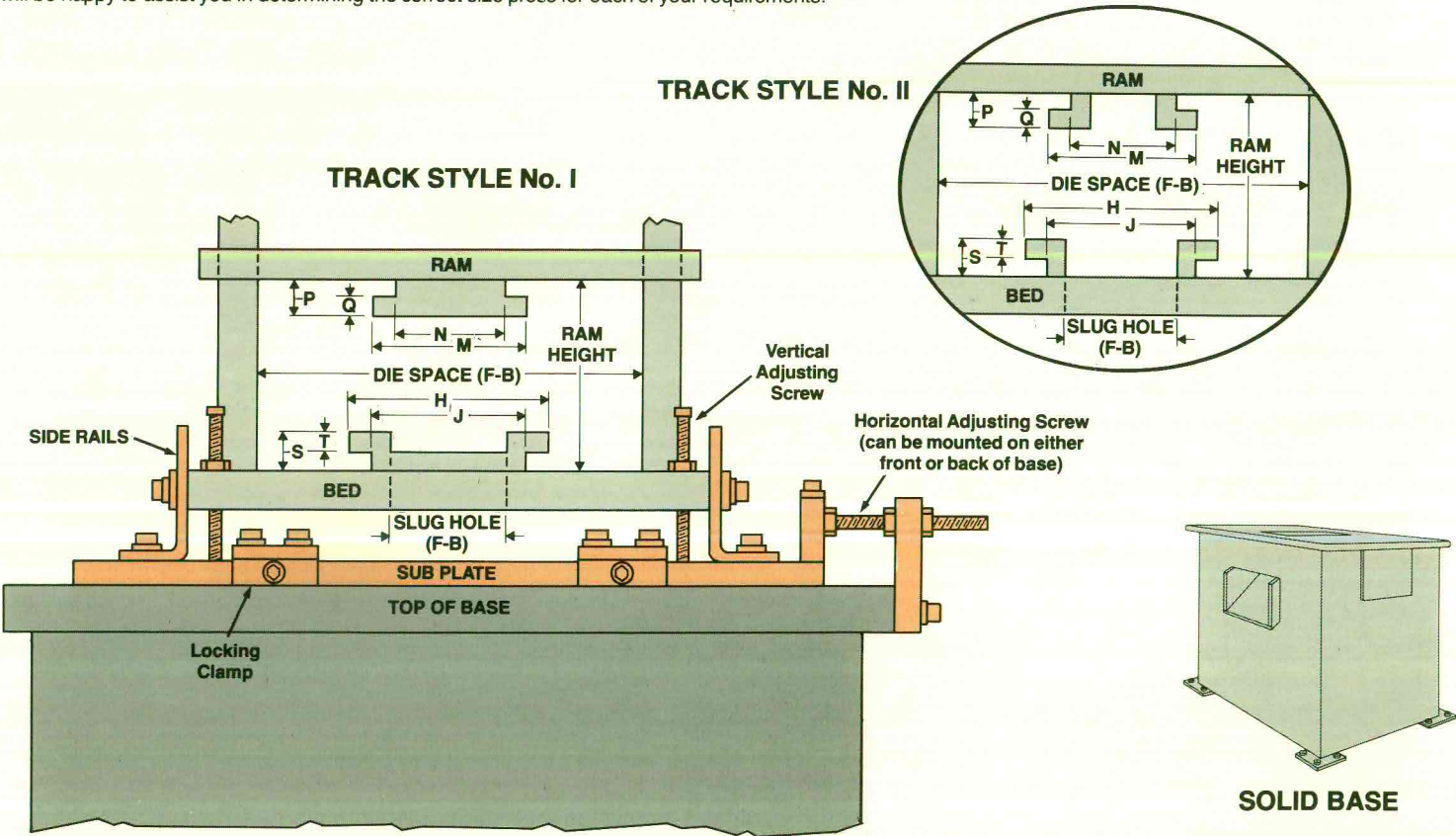


PNEU POWR PRESS DATA and DIMENSIONS

| Model No. | Capacity |                      | Die Space<br>F-B x L-R | Piston<br>O.D. | Guide Posts |        | Bumpers<br>& Adjust-<br>able Stops<br>Diam. | Valves              |      | Size: Bed<br>Ram, Top<br>Plate<br>F-B x L-R | Thickness |     |
|-----------|----------|----------------------|------------------------|----------------|-------------|--------|---|---------------------|------|---|-----------|-----|
|           | Impact   | Holding<br>@ 100 PSI |                        |                | Diam.       | Length |   | Quan.               | Size |   | Bed       | Ram |
| 2P-5      | 5 Tons   | 5,000 lbs.           | 10½ x 12               | 8              | 1½          | 24     | 2½  | 1                   | 1    | 16 x 12                                     | 2¼        | 1½  |
| 2P-8      | 8 Tons   | 7,800 lbs.           | 12 x 12                | 10             | 1½          | 24     | 2½  | 1                   | 1    | 18 x 12                                     | 2¼        | 1½  |
| 4P-12     | 12 Tons  | 11,300 lbs.          | 14 x 14½               | 12             | 1½          | 24     | 3   | 1                   | 1½   | 20 x 14½                                    | 2¼        | 1½  |
| 4P-15     | 15 Tons  | 15,400 lbs.          | 16 x 18                | 14             | 1½          | 24     | 3   | 1                   | 1½   | 22 x 18                                     | 2¼        | 1½  |
| 4P-20     | 20 Tons  | 20,100 lbs.          | 18 x 20                | 16             | 2           | 24     | 3   | 1                   | 1½   | 25 x 20                                     | 2½        | 1½  |
| 4P-25     | 25 Tons  | 25,400 lbs.          | 20 x 22                | 18             | 2           | 24     | 4   | 2                   | 1½   | 28 x 22                                     | 2½        | 1½  |
| 4P-30     | 30 Tons  | 31,400 lbs.          | 22 x 24                | 20             | 2           | 24     | 4   | 2                   | 1½   | 30 x 24                                     | 2½        | 1½  |
| 4P-40     | 40 Tons  | 38,000 lbs.          | 24 x 26                | 22             | 2½          | 26     | 6   | 2                   | 1½   | 36 x 26                                     | 3         | 2   |
| 4P-45     | 45 Tons  | 45,200 lbs.          | 26 x 28                | 24             | 2½          | 26     | 6   | 2                   | 1½   | 38 x 28                                     | 3         | 2   |
| 4P-55     | 55 Tons  | 53,000 lbs.          | 28 x 30                | 26             | 2½          | 26     | 6   | In-tank Valve & QEV |      | 40 x 30                                     | 3         | 2   |
| 4P-62     | 62 Tons  | 61,600 lbs.          | 32 x 34                | 28             | 2½          | 29     | 6   | In-tank Valve & QEV |      | 44 x 34                                     | 4         | 2½  |
| 4P-70     | 70 Tons  | 70,700 lbs.          | 34 x 36                | 30             | 2½          | 29     | 6   | In-tank Valve & QEV |      | 46 x 36                                     | 4½        | 2½  |
| 4P-80     | 80 Tons  | 80,400 lbs.          | 36 x 38                | 32             | 2½          | 31     | 8   | In-tank Valve & QEV |      | 52 x 38                                     | 5         | 3   |
| 4P-90     | 90 Tons  | 90,800 lbs.          | 38 x 40                | 34             | 3           | 32     | 8   | In-tank Valve & QEV |      | 54 x 40                                     | 6         | 3   |
| 4P-100    | 100 Tons | 101,800 lbs.         | 40 x 42                | 36             | 3           | 38     | 8   | In-tank Valve & QEV |      | 56 x 42                                     | 6         | 3   |

Note: L-R dimensions always represent direction of travel. All dimensions are in inches.

**RECOMMENDATION** — The industry-standard tonnage ratings shown in table above are based on 100 PSI operating pressure. However, experience has shown that operation at 70 PSI or less will maximize efficiency and prolong the life of your press and dies. Your Contour Press representative will be happy to assist you in determining the correct size press for each of your requirements.



| Top Plate | Sub Plate<br>Thick x F-B x L-R | Slug Hole<br>F-B x L-R | Upper Track |    |   |    |       | Lower Track |    |   |    |       | Solid Base (optional) |                 |
|-----------|--------------------------------|------------------------|-------------|----|---|----|-------|-------------|----|---|----|-------|-----------------------|-----------------|
|           |                                |                        | P           | M  | Q | N  | Lgth. | S           | H  | T | J  | Lgth. | Group                 | F-B x L-R x Ht. |
| 1½        | ¾ x 28 x 14                    | 3 x 7                  | 1           | 3½ | ¾ | 3  | 15½   | 1           | 4¾ | ½ | 4¼ | 16½   | #1                    | 36 x 24 x 29    |
| 1½        | ¾ x 28 x 14                    | 3 x 7                  | 1           | 3½ | ¾ | 3  | 15½   | 1           | 4¾ | ½ | 4¼ | 16½   | #1                    | 36 x 24 x 29    |
| 1½        | ¾ x 30 x 16½                   | 3 x 7                  | 1           | 3½ | ¾ | 3  | 15½   | 1           | 4¾ | ½ | 4¼ | 16½   | #1                    | 36 x 24 x 29    |
| 1½        | ¾ x 32 x 20                    | 3 x 7                  | 1           | 3½ | ¾ | 3  | 19    | 1           | 4¾ | ½ | 4¼ | 20    | #2                    | 45 x 32 x 29    |
| 1½        | ¾ x 34 x 22                    | 3 x 12                 | 1½          | 3½ | ½ | 2½ | 21    | 1½          | 6  | ½ | 5  | 22    | #2                    | 45 x 32 x 29    |
| 1½        | 1 x 38 x 24                    | 3 x 12                 | 1½          | 3½ | ½ | 2½ | 23    | 1½          | 6  | ½ | 5  | 24    | #2                    | 45 x 32 x 29    |
| 1½        | 1 x 42 x 26                    | 3 x 12                 | 1½          | 3½ | ½ | 2½ | 25    | 1½          | 6  | ½ | 5  | 26    | #2                    | 45 x 32 x 29    |
| 2         | 1 x 48 x 28                    | 3 x 12                 | 1½          | 3½ | ½ | 2½ | 27    | 1½          | 6  | ½ | 5  | 28    | #3                    | 59 x 42 x 29    |
| 2         | 1 x 50 x 30                    | 3 x 12                 | 1½          | 3½ | ½ | 2½ | 29    | 1½          | 6  | ½ | 5  | 30    | #3                    | 59 x 42 x 29    |
| 2         | 1 x 52 x 32                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 31    | 1¾          | 8  | ¾ | 7  | 32    | #3                    | 59 x 42 x 29    |
| 2         | 1 x 56 x 36                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 35    | 1¾          | 8  | ¾ | 7  | 36    | #3                    | 59 x 42 x 29    |
| 2         | 1 x 58 x 38                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 37    | 1¾          | 8  | ¾ | 7  | 38    | #4                    | 71 x 50 x 29    |
| 2½        | 1 x 64 x 40                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 39    | 1¾          | 8  | ¾ | 7  | 40    | #4                    | 71 x 50 x 29    |
| 2½        | 1 x 66 x 42                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 41    | 1¾          | 8  | ¾ | 7  | 42    | #4                    | 71 x 50 x 29    |
| 2½        | 1 x 68 x 44                    | 4 x 12                 | 1¾          | 8  | ¾ | 7  | 43    | 1¾          | 8  | ¾ | 7  | 44    | #4                    | 71 x 50 x 29    |

NOTES on Press Data & Dimensions

MODEL NUMBERS

The prefix 2P designates a 2-post press; 4P a 4-post press. The final digits specify the impact capacity tonnage.

CAPACITY

**Impact Pressure** is nominal impact force of press by actual test at 1½-inch stroke. It is approximately two times the holding pressure. **Holding Pressure** (lbs.) equals piston area (sq. in.) times air pressure (PSI). Unlike bladder-type presses, our holding pressure stays constant throughout the stroke (less a slight reduction due to increased compression of return springs).

DIE SPACE

Actual clear area available to receive die. Front-to-back (F-B) is the space between guide posts; left-to-right (L-R) is the total length of bed.

PISTON/CYLINDER O.D.

All cylinders have 1" wall thickness. To obtain cylinder O.D., just add 2" to the piston O.D. shown in table.

RAM HEIGHT

Ram height (total clearance from top surface of bed to bottom surface of ram, with ram up) is infinitely adjustable from 3" to 12" on standard presses. Ram height of more than 12" is available; quoted on request. NOTE: Remember to include rail heights when figuring usable ram height opening.

STROKE LENGTH

Stroke is infinitely adjustable from 0 to 3" on standard presses. Longer stroke length is available; quoted on request. [Note: A stroke length of more than 3" requires numerous changes in component sizes and specifications; in addition to the initial cost, an extra long stroke will also increase air consumption.]

QUICK EXHAUST VALVE

The Quick Exhaust Valve (QEV) that is standard on 55-ton and larger presses, optional on smaller models, is our patented design — available only on Pneu Powr presses.

BED

Standard bed sizes are listed in table. Oversize beds are available; quoted on request. [Note: If you are ordering a base for your press, an oversize bed also requires a larger size base.]

SUB PLATE and SIDE RAILS

All presses are standard with: (1) Sub Plate, with adjusting screws and clamps that permit front-to-back adjustment of 3"; and (2) Side Rails (on presses up to 55 tons), with vertical adjusting screws and clamps that permit up-and-down adjustment of 3".

SLUG HOLE

A slug hole is standard in the bed of all presses; standard dimensions are listed in table. Slug hole can be omitted, or changed to your dimensions; quoted on request.

