Features and Specifications:

Vertical models V75X, V150X, V250X and V450X are of zinc plated pressed steel construction and have compact cylinders without tie-rods. The heavier duty models V750X, V1750X and V2000X are of fabricated construction with tie-roded cylinders.

The main components of push-pull models P600X, P1200X and P2500X are machined castings for precision of operation and for durability. The plungers are of steel, their precision ground diameter running in a close-toleranced hole in the s.g. iron base casting.

Installation:

While the cylinders of models V75X, V150X, V250X, V450X, P600X, P1200X and P2500X can be operated with dry air, air lubrication will extend cylinder life on these models and is a requirement for models V750X, V1750X and V2000X.

The air pressure operating range of pneumatic clamps is 30-90 psi.
PNEUMATIC VERTICAL AND PUSH-PULL CLAMPS

PNEUMATIC VERTICAL CLAMPS
MODEL V75X

Arm:
The spindle position is adjustable along the arm.
Base:
Flanged.
Nominal Holding Force: 75 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 40.
Swept volume per cycle: 0.02 L³ (1.2 cu. in.)
Weight: 0.40 Kg
Supplied complete with:
MB0535 Setscrew & nuts.
FW05/10 Flanged washers.
For stroke sensing order SK/1 Sensing Kit.
See “Accessories” for other items.

Arm:
The spindle position is adjustable along the arm.
Base:
Flanged.
Nominal Holding Force: 150 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 60.
Swept volume per cycle: 0.04 L³ (2.4 cu. in.)
Weight: 0.65 Kg
Supplied complete with:
MB0650 Setscrew & nuts.
FW06/12 Flanged washers.
For stroke sensing order SK/2 Sensing Kit.
See “Accessories” for other items.

PNEUMATIC VERTICAL CLAMPS
MODEL V150X
PNEUMATIC VERTICAL AND PUSH-PULL CLAMPS

PNEUMATIC VERTICAL CLAMPS

MODEL V250X

Arm: The spindle position is adjustable along the arm.
Base: Flanged.
Nominal Holding Force: 250 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 55.
Swept volume per cycle: 0.09 L (5.5 cu. in.)
Weight: 1.20 Kg
Supplied complete with: MB0860 Setscrew & nuts
FW08/15 Flanged washers.
For stroke sensing order SK/3 Sensing Kit.
See “Accessories” for other items.

MODEL V450X

Arm: The spindle position is adjustable along the arm.
Base: Flanged.
Nominal Holding Force: 450 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 55.
Swept volume per cycle: 0.27 L (16.8 cu. in.)
Weight: 2.75 Kg
Supplied complete with: MB12100 Setscrew & nuts
FW12/23 Flanged washers.
For stroke sensing order SK/4 Sensing Kit.
See “Accessories” for other items.
PNEUMATIC VERTICAL AND PUSH-PULL CLAMPS

PNEUMATIC VERTICAL CLAMPS
MODEL V750X

Arm: Solid — no spindle supplied.
Base: Front mounting.
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 30.
Swept volume per cycle: 0.27 L (16.5 cu. in.)
Nominal Holding Force: 750 daN
Weight: 3.85 Kg
For stroke sensing order SK/6 Sensing Kit.
See “Accessories” for other items.

PNEUMATIC VERTICAL CLAMPS
MODEL V1750X

Arm: Solid — no spindle supplied.
Base: Front mounting.
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 15.
Swept volume per cycle: 0.75 L (45.7 cu. in.)
Nominal Holding Force: 1750 daN
Weight: 6.80 Kg
For stroke sensing order SK/6 Sensing Kit.
See “Accessories” for other items.
PNEUMATIC VERTICAL AND PUSH-PULL CLAMPS

PNEUMATIC VERTICAL CLAMPS
MODEL V2000X

Arm:
The spindle position is adjustable along the arm.
Base:
Flanged.
Nominal Holding Force: 2000 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 10.
Swept volume per cycle: 0.76 L³ (46.4 cu. in.)
Weight: 10.30 Kg
Supplied complete with:
MB18 Setscrew & nuts.
Flanged washers.
For stroke sensing order SK/9 Sensing Kit.
See “Accessories” for other items.

DATA
With 6 bar air supply pressure the output force is: daN
Fully retracted 20
5 mm extended 32
10 mm 43
15 mm 65
20 mm 87
22 mm 100
24 mm 150
Fully extended 253

PNEUMATIC PUSH-PULL CLAMPS
MODEL P600X

Plunger:
Locks in fully extended position only.
Base:
Body mounting.
Nominal Holding Force: 600 daN
Operating pressure range: 2-6 bar (30-88 p.s.i.g.)
Max. cycles/min. at 6 bar: 60.
Swept volume per cycle: 0.09 L³ (5.5 cu. in.)
Weight: 1.45 Kg
Supplied complete with:
MB0840 Setscrew & nut.
For stroke sensing order SK/3 Sensing Kit.
See “Accessories” for other items.

DATA
33.3
25 STROKE
325
59
14.5
41
25
36.5
Ø5.5
G1/4
For stroke sensing order kit SK/3

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PNEUMATIC VERTICAL AND PUSH-PULL CLAMPS

PNEUMATIC PUSH-PULL CLAMPS
MODEL P1200X

Plunger:
Locks in fully extended position only.

Base:
Body mounting.

Nominal Holding Force:
1200 daN

Operating pressure range:
2-6 bar (30-88 p.s.i.g.)

Max. cycles/min. at 6 bar:
50.

Swept volume per cycle:
0.28 L (16.8 cu. in.)

Weight:
3.70 Kg

Supplied complete with:
MB1050 Setscrew & nut.

For stroke sensing order kit SK/4 Sensing Kit.

See “Accessories” for other items.

DATA
With 6 bar air supply pressure the output force is:
daN
Fully retracted 110
5 mm extended 120
10 mm 140
15 mm 165
20 mm 195
25 mm 230
27 mm 255
29 mm 300
31 mm 430
Fully extended 1150

PNEUMATIC PUSH-PULL CLAMPS
MODEL P2500X

Plunger:
Locks in fully extended position only.

Base:
Body mounting.

Nominal Holding Force:
2500 daN

Operating pressure range:
2-6 bar (30-88 p.s.i.g.)

Max. cycles/min. at 6 bar:
45.

Swept volume per cycle:
0.6 L (36.6 cu. in.)

Weight:
7.40 Kg

Supplied complete with:
MB1250 Setscrew & nut.

For stroke sensing order kit SK/5 Sensing Kit.

See “Accessories” for other items.

DATA
With 6 bar air supply pressure the output force is:
daN
Fully retracted 130
5 mm extended 140
10 mm 160
15 mm 175
20 mm 200
25 mm 210
30 mm 245
35 mm 265
40 mm 325
45 mm 420
47 mm 490
49 mm 700
Fully extended 1450