# Bal-Trol




Made in USA – distributed in Vietnam by FULLSHARP.

**Made in USA**

FULLSHARP distributes genuine Bal-Trol® in Vietnam.

## Bal-Trol – Pneumatic lifting cylinder

Lift and balance loads up to 600 kg as if they were weightless – smooth operation, lightweight aluminum, the “heart” of every Lifts All lifting system.

## Weightless lifting with Bal-Trol

All **Lifts All** lifting tools are powered by the Bal-Trol. The Bal-Trol is a unique **single-acting pneumatic lifting cylinder** that lifts up to **600 kg** – it works like an air hoist but far more smoothly, and is often used in place of chain hoists or manual lifting.

The Bal-Trol is made of **aluminum**, so it is light and moves easily along a rail or crane arm. The operator can **easily adjust the lifting and lowering speed**. The standard lifting height is 1.5 m, customizable up to 8 meters.

The Bal-Trol comes in **two ranges – Mini and Full-Scale** – each available in **horizontal** and **vertical** versions. Which version to choose depends on the **ceiling height** at your workstation.

- **Max. lifting capacity** 600 kg
- **Max. lifting height** 8 m

- **Free load positioning** ±10 cm
- **Air pressure** 6–7 bar

## More than a hoist

Compared with a conventional hoist, a load on the Bal-Trol can **move freely at the lifted position (at least ±10 cm with proportional control)**. You **do not need millimeter-precise control inputs** to place the load correctly – simply guide it into position by hand, for example when fitting a tire onto an axle.

Combined with a **gripper** and an **overhead rail system or jib crane**, the Bal-Trol becomes a **complete lifting system**.

## Bal-Trol: Range & controls



Bal-Trol Mini 40 – 150 kg The most compact and most compatible range, saving both equipment weight and space. The Bal-Trol Mini comes in 3 capacity configurations of 40 kg, 65 kg and 150 kg, with a customizable lifting height from 0.3 to 8 m. Both horizontal and vertical versions are available to suit the ceiling height.



Full-Scale Bal-Trol Up to 600 kg The largest air hoist range, with 9 configurations and lifting capacities increasing in steps from 25 kg up to 600 kg. The cylinder length equals the lifting height; the lifting height is customizable from 0.3 to 3 m. Horizontal and vertical versions are available to suit different workshop ceilings.



Bal-Trol controls 4 control types The Bal-Trol offers 4 control types depending on the load: Balancing – weightless lifting/lowering by hand (loads of the same weight); PSH – speed proportional to lever pressure (loads of varying weight); Sensi-Touch – pull the handle, fine adjustment ±5 cm; Equalizer – digital balancing, precise to the millimeter.

| Specification | Value |
|---|---|
| **Power supply (compressed air)** | 6–7 bar / 90–100 psi |
| **Max. lifting capacity** | Up to 600 kg (1,400 lbs) |
| **Standard lifting height** | 1.5 m |
| **Custom lifting height** | 0.3 – 8 m (depending on range) |
| **Material** | Aluminum (light, easy to move) |
| **Free load positioning** | ±10 cm (proportional control) |
| **Mounting versions** | Horizontal & vertical |
| **Safety certification** | ATEX assessed – no inherent ignition source |

### Safe in explosive atmospheres

The Bal-Trol is a patented product and a **globally registered trademark**. It has been ATEX assessed as having **no inherent ignition source**, meaning it is safe to use in potentially explosive atmospheres, and therefore does not carry CE marking under ATEX Directive 2014/34/EU.

### Why choose the Lifts All Bal-Trol?

The Bal-Trol runs **quietly and smoothly**, an effective replacement for chain hoists or manual lifting – reducing fatigue and increasing operator productivity.

The ability to **move the load freely at the lifted position** makes placing heavy objects exactly where they belong as easy as handling something weightless.

Combined with Lifts All **articulated jib cranes, aluminum rail systems and grippers**, the Bal-Trol forms a **complete ergonomic lifting solution** – flexible enough for almost any production need.

**FULL-SHARP AUTOMATIZED VN (FULLSHARP)**
Authorized distributor of Lifts All AB (Sweden) lifting tools in Vietnam
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## The three Bal-Trol series (manufacturer catalogue)

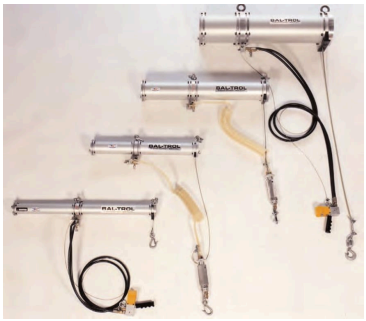
Bal-Trol comes in three series: Pro-Air (P), Single Mount (SM) and Modular Ratio (M). All three lift pneumatically, offer a float range for precise hand positioning without damaging the product, and contain no electronic components that could fail from heat, moisture or programming errors.




Pro-Air (P) The most compact unit, horizontal or vertical mounting, travel made to order from 1 ft to 30 ft or more.




Single Mount (SM) Horizontal cylinder that needs only one mounting point and one trolley, inline or perpendicular to the rail.



Modular Ratio (M) Space-saving modular units, up to 363 kg (M-40), travel 1–15 ft.

### Pro-Air (P) – 4 models: P-03, P-06, P-12, P-20




Bal-Trol Pro-Air

- The smallest, most compact Bal-Trol: a horizontal PH06 is only 15.25 in (387 mm) long
- Horizontal (H) or vertical (V) mounting
- Travel made to order from 1 ft to 30 ft or more
- Same lifting capacity as the M, F and SM models
- Simple to operate, for all repetitive lifting applications

| Ratio | P-03<br>80 PSI | P-06<br>80 PSI | P-12<br>80 PSI | P-20<br>80 PSI |
|---|---|---|---|---|
| **8:1** | 18 kg (40 lbs) | 34 kg (75 lbs) | 68 kg (150 lbs) | N/A |
| **6:1** | 27 kg (60 lbs) | 45 kg (100 lbs) | 91 kg (200 lbs) | N/A |
| **4:1** | 36 kg (80 lbs) | 57 kg (125 lbs) | 136 kg (300 lbs) | 227 kg (500 lbs) |

### Single Mount (SM) – 3 models: SM-03, SM-06, SM-12

- Horizontal cylinder that mounts like a vertical: one mounting point
- Inline or perpendicular to the rail, only one trolley needed
- Travel made to order from 1 ft to 10 ft
- Same 200 lb capacity and 6 ft travel as the M model, in a far more compact package (about 3 ft 7 in long)

| Ratio | SM-03<br>80 PSI | SM-06<br>80 PSI | SM-12<br>80 PSI |
|---|---|---|---|
| **6:1** | 27 kg (60 lbs) | 45 kg (100 lbs) | 91 kg (200 lbs) |
| **4:1** | 36 kg (80 lbs) | 57 kg (125 lbs) | 136 kg (300 lbs) |

## Modular Ratio (M) – 4 models: M-03, M-06, M-12, M-40




Bal-Trol Modular Ratio

- Modular, space-saving units
- Horizontal or vertical mounting
- Each model covers several capacities through 8:1, 6:1 and 4:1 ratios
- Easy to install and maintain, field repairable
- Travel made to order from 1 ft to 15 ft or more

| Ratio | M-03<br>80 PSI | M-06<br>80 PSI | M-12<br>80 PSI | M-40<br>100 PSI |
|---|---|---|---|---|
| **8:1** | 18 kg (40 lbs) | 34 kg (75 lbs) | 68 kg (150 lbs) | 181 kg (400 lbs) |
| **6:1** | 27 kg (60 lbs) | 45 kg (100 lbs) | 91 kg (200 lbs) | 272 kg (600 lbs) |
| **4:1** | 36 kg (80 lbs) | 57 kg (125 lbs) | 136 kg (300 lbs) | 363 kg (800 lbs) |

### How to read the order code

The code is: series (P / SM / M) – mounting (V vertical, H horizontal) – model – ratio – travel (feet) – control (B: Balance Control, H: Speed Handle, SL: Slim-Line Sensi-Touch).

| Example code | Meaning |
|---|---|
| **PV03/6-6-B** | Pro-Air, vertical, 60 lb capacity at 80 PSI, 6 ft travel, Balance Control |
| **PH12/6-7-H** | Pro-Air, horizontal, 200 lb capacity, 7 ft travel, Speed Handle |
| **SM06/6-4-SL** | Single Mount, horizontal, 100 lb capacity, 4 ft travel, Slim-Line Sensi-Touch |
| **MH12/6-7-H** | Modular, horizontal, 200 lb capacity, 7 ft travel, Speed Handle |

Capacities at 80 PSI (5.5 bar); M-40 at 100 PSI (6.9 bar). kg values converted from lbs and rounded. FULLSHARP helps you choose the series, ratio and travel for your actual load.

## Contact us for consultation and a quotation

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Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.