


# Balancers





For easy access to the tools at your workstation, increased productivity and good ergonomics, choose Atlas Copco balancers. They are designed to reduce stress levels in the operator's muscles and minimize fatigue.

# Balancers



## WP balancer

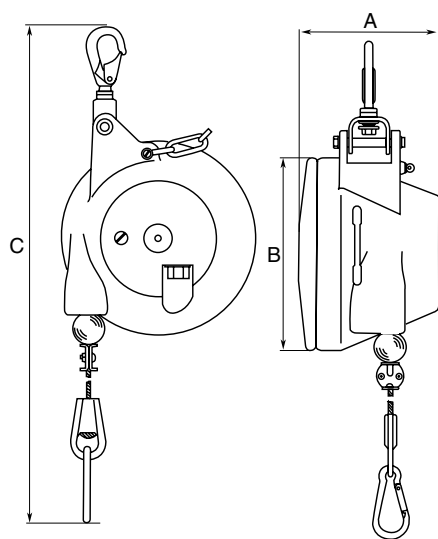
Weightless positioning balancers with a cone-shaped drum that holds the load in the correct position and keeps it weightless throughout the entire cable length. It minimizes worker fatigue.

## Safety

The load is not pulled back when released and the environment is protected from accidental hoisting of the load.

- Steel cable with cable stop buffer.
- Safety chain.
- Quick and easy cable replacement.

## Dimensions



Model	Capacity range		Cable length m	Weight		Dimension			Ordering No.
	kg	lb		kg	lb	A mm	B mm	C mm	
WP 05 - Standard									
WP 05-1	0.4-1.2	0.9-2.6	2	1.3	2.9	71	141	460	8202 0778 00
WP 05-3	1.2-2.6	2.6-5.7	2	1.4	3.1	71	141	460	8202 0778 01
WP 05-4	2.6-3.8	5.7-8.4	2	1.5	3.3	71	141	460	8202 0778 02
WP 05-5	3.8-5.2	8.4-11.5	2	1.5	3.3	71	141	460	8202 0778 03
WP 05-6	5.2-6.5	11.5-14.3	2	1.5	3.3	71	141	460	8202 0778 04
WP 05 - Extended Cable - A									
WP 05-1-A	0.4-1.2	0.9-2.6	5.5	1.3	2.9	71	141	460	8202 0778 05
WP 05-3-A	1.2-2.6	2.6-5.7	5.5	1.4	3.1	71	141	460	8202 0778 06
WP 05-4-A	2.6-3.8	5.7-8.4	5.5	1.5	3.3	71	141	460	8202 0778 07
WP 05-5-A	3.8-5.2	8.4-11.5	5.5	1.5	3.3	71	141	460	8202 0778 08
WP 05-6-A	5.2-6.5	11.5-14.3	5.5	1.5	3.3	71	141	460	8202 0778 09
WP 10 - Standard									
WP 10-3	3-5	6.6-11	2	2.9	6.4	130	188	521	8202 0779 00
WP 10-4.5	4.5-7	10-15.4	2	3.1	6.8	130	188	521	8202 0779 01
WP 10-6	6-10	13-22	2	3.2	7.0	130	188	521	8202 0779 02
WP 10-9	9-14	20-31	2	3.4	7.5	130	188	521	8202 0779 03
WP 10-13	13-17	29-37	2	3.6	8.0	130	188	521	8202 0779 04
WP 10-16	16-21	35-46	2	3.8	8.4	130	188	521	8202 0779 05
WP 10 - Extended Cable - A									
WP 10-3-A	3-5	6.6-11	5.5	2.9	6.4	130	188	521	8202 0779 06
WP 10-4.5-A	4.5-7	10-15.4	5.5	3.1	6.8	130	188	521	8202 0779 07
WP 10-6-A	6-10	13-22	5.5	3.2	7.0	130	188	521	8202 0779 08
WP 10-9-A	9-14	20-31	5.5	3.4	7.5	130	188	521	8202 0779 09
WP 10-13-A	13-17	29-37	5.5	3.6	8.0	130	188	521	8202 0779 10
WP 10-16-A	16-21	35-46	5.5	3.8	8.4	130	188	521	8202 0779 11
WP 20 - Standard									
WP 20-15	15-25	33-55	2	7.8	17.2	152	218	521	8202 0780 00
WP 20-25	25-35	55-77	2	8.9	19.6	152	218	521	8202 0780 01
WP 20-35	35-45	77-99	2	9.5	21.0	152	218	521	8202 0780 02
WP 20-45	45-55	99-121	2	9.8	21.5	152	218	521	8202 0780 03
WP 30 - Standard									
WP 30-12	12-20	26-44	2	14.8	32.6	203	285	749	8202 0781 00
WP 30-20	20-30	44-66	2	15.2	33.5	203	285	749	8202 0781 01
WP 30-30	30-45	66-99	2	16.9	37.3	203	285	749	8202 0781 02
WP 30-45	45-60	99-132	2	17.3	38.1	203	285	749	8202 0781 03
WP 30-60	60-75	132-165	2	18.7	41.2	203	285	749	8202 0781 04
WP 30-75	75-90	165-198	2	19.7	43.4	203	285	749	8202 0781 05
WP 30-90	90-100	198-220	2	19.9	43.4	203	285	749	8202 0781 06
WP 40 - Standard									
WP 40-100	100-115	220-254	3	42.0	43.9	348	320	800	8202 0782 00
WP 40-115	115-130	254-287	3	44.0	97.0	348	320	800	8202 0782 01
WP 40-130	130-140	287-309	3	46.0	101	348	320	800	8202 0782 02
WP 40-140	140-150	309-331	3	48.0	106	348	320	800	8202 0782 03



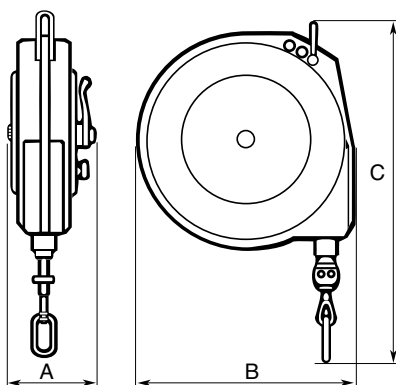
### RIL balancer

RIL balancers always keep the tool in place, and easily accessible. RIL balancers are available as retractors or weightless positioning balancers.

### RIL Retractors

- Adjustable wire stop.
- High quality spring and construction.
- Load range 0 to 10 kg.

## Dimensions



Model	Capacity range		Cable length m	Weight		Dimensions			Ordering No.
	kg	lb		kg	lb	A mm	B mm	C mm	
Retractors									
RIL 1C	0.0-0.5	0.0-1.7	1.5	0.6	1.3	51	106	238	8202 0700 02
RIL 2C	0.4-1.0	0.9-2.2	1.5	0.6	1.3	51	106	238	8202 0701 19
RIL 4C	1.0-2.0	2.2-4.4	1.5	0.6	1.3	51	106	238	8202 0702 18
RIL 5C	1.4-2.3	3.1-5.1	1.5	0.6	1.3	51	106	238	8202 0703 25
RIL 10C	2.0-5.0	4.4-11.0	2.4	2.7	6.0	84	190	369	8202 0704 16
RIL 10CS <sup>a</sup>	2.0-5.0	4.4-11.0	2.4	2.7	6.0	84	190	369	8202 0704 20
RIL 15C	5.0-7.0	11.0-15.4	2.4	3.2	7.1	84	190	369	8202 0705 15
RIL 15CS <sup>a</sup>	5.0-7.0	11.0-15.4	2.4	3.2	7.1	84	190	369	8202 0705 20
RIL 22C	6.0-10.0	13.2-22.0	2.4	3.2	7.1	84	190	369	8202 0706 14
RIL 22CS <sup>a</sup>	6.0-10.0	13.2-22.0	2.4	3.2	7.1	84	190	369	8202 0706 20

<sup>a</sup> Balancer equipped with automatic safety drum lock in case of spring failure.

**NOTE:** RIL 1C, 2C, 4C and 5C comes with nylon cable. All other models are equipped with steel wire.

## Accessories

### Safety chain

	Ordering No.
1C, 2C, 4C and 5C	4391 4045 90
10C, 15C and 22C	4391 4156 00

# Balancers



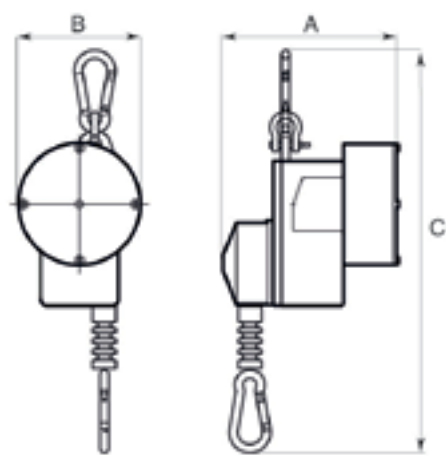
### COL balancer

Balancers in the unique COL range hold the load in the correct position and keep it weightless throughout the entire cable length. COL balancers reduce the stress level in the operator’s muscles.

### Safety

The load is not pulled back when released and the surroundings are protected from accidental hoisting of the load. The cable locks in the event of spring failure (downward braking power). In all models the braking function can be activated upwards by using the “bow and arrow” principle if you need to slacken the cable to change the tool. The COL 1 products comes with a nylon cable.

## Dimensions



Model	Capacity range		Cable length m	Weight		Dimensions			Ordering No.
	kg	lb		kg	lb	A mm	B mm	C mm	
COL 1 01	0.7-1.3	1.5-2.9	1.7	0.5	1.1	108	72	245	8202 0750 01
COL 1 02	1.0-2.0	2.2-4.4	1.7	0.5	1.1	108	72	245	8202 0750 19

## Accessory

### Safety chain

Ordering No.	
COL 1	4391 4045 90



# Hose

## reels balancers



### Hose reel balancer – HRIL

Hose reel balancers are specifically designed for use with small pneumatic hand tools. The integrated air hose and support cable ensure the work area is kept tidy and the tool is easy to control.

- Ergonomics – The retraction force remains almost constant during hose travel. It minimizes load on the operator and ensures smooth operation.
- An easily adjusted rubber stop is mounted on the hose which allows the tool to be set at the optimum position.
- The retraction force is easily adjustable.
- Long service life – The design features a rugged casing, self lubricating spindle bearing bushes and a 360 degrees rotary inlet connector.
- The hose end is provided with a spiral hose protector to prevent excessive bending.
- Due to a low pressure drop HRIL balancers have very good flow characteristics.

Model	Capacity range		Max rec. air flow <sup>a</sup> l/s	Hose travel m	Weight		Max working pressure bar	Dimensions			Ordering No.
	kg	lb			kg	lb		A mm	B mm	C mm	
HRIL 1	0.2-0.5	0.4-1.1	3.5	1.2	1.2	2.6	10	92	132	173	8202 0600 03
HRIL 3	0.5-1.4	1.1-3.1	5.5	1.0	1.2	2.6	10	92	132	173	8202 0600 11
HRIL 4	0.7-2.0	1.5-4.4	6.5	1.0	1.4	3.1	10	92	132	173	8202 0600 29

<sup>a</sup> At inlet pressure of 6 bar pressure drop is 0.4 bar.

### Air line fittings

All models have a BSP 1/4" inlet fitting.

HRIL 1 supplied with M5 and BSP 1/8" outlet fittings.

HRIL 3 supplied with BSP 1/8" and BSP 1/4" outlet fittings.

HRIL 4 supplied with BSP 1/4" outlet fitting.

## Accessories

Designation	Ordering No.
Safety chain	4391 4045 90

# Blow guns

## and test equipment



### Blow Gun BG-series

Blow guns in the BG Series are a robust, user friendly solution for all cleaning applications. The plastic body offers flexibility in handling for both left and right handed users. It insulates against cold and reduces the risk of scratches to worksurfaces. The blow gun has excellent throttling properties allowing easy regulation of the air flow.

- High flow capacity
- Suspension
- Plastic body to avoid scratches
- Air inlet thread in brass
- Star tip availability for improved safety
- Applicable standards: OSHA STD1-13.1, OSHA 1910.95 (b).

Model	Version	Working pressure bar	Air flow l/s	Weight		Air inlet thread BSP	Ordering No.
				kg	lb		
BG 2603-HF	Long tube, high flow	6.3	7.5	0.13	0.29	1/4	8202 1006 04
BG 2604-SHF	Short tube	6.3	4.3	0.12	0.26	1/4	8202 1006 05
BG 2605-STSS	Short tube, star tip	6.3	6.6	0.12	0.26	1/4	8202 1006 06
BG 2606-STSS	Long tube, star tip, silencer	6.3	6.3	0.14	0.31	1/4	8202 1006 07

### Test Equipment

#### Air tool simulator

In order to check whether the pressure or the flow is sufficient the air tool simulator can be connected instead of the tool. The simulator is delivered with different connections.

**Ordering No. 4145 0698 81.**



#### Pressure control unit

The unit consists of a high quality pressure gauge and the necessary couplings for checking the air pressure at the air inlet of the machine.

**Ordering No. 4145 0699 81.**



All local safety regulations with respect to installation, operation and overhaul must always be followed. Please read the separate instructions regarding safety which are supplied with all products in order to improve your own safety!

## Ball valve

- Switch off the compressed air with the ball valve when you are not working (see fig. 1).
- Open all ball valves gently in order to discover improperly tightened devices (see fig. 5).

## Air preparation units

- Please check for solvents which change the structure of polycarbonate<sup>a</sup> bowls.

These solvents make the polycarbonate brittle so it can break. Normally polycarbonate is not easy to break. If you need to use aggressive solvents, please contact us and we will help you choose the right equipment.

- Use bowl guard.

An easy way to eliminate this type of accident is to use a bowl guard on MINI and MIDI units. The MAXI unit has an aluminum bowl with a new, more chemical resistant plastic on the inside as standard.

Check that the bowls are properly tightened and that all units are fitted together before switching on the compressed air with the ball valve.

## Quick safety couplings

To increase safety and reduce the risk of operator injuries we recommend you to always buy couplings with a safety function. Couplings with a safety function are disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury.

Never open a quick coupling with a screwdriver in order to ventilate the air.

## Claw couplings

- Be very careful (see fig. 1+2+3).

They are always open and must be used very carefully. To increase safety when using claw couplings, we recommend the claw LNH claw coupling with a lock nut.

## Clamps and connections

- Avoid screwdrivers when tightening.

Check that they are properly tightened. Avoid screwdrivers when tightening, they can easily slip and damage your hand. Use a wrench. If you need to use a screwdriver, mount the clamp in a vice.

## Hoses

When mounting hoses on hose connections, use water and soap in order to make the hose slip on to the connection.

Do not use oil. Water and soap will dry up. Remove leaking hoses. A small leakage can quickly become a large hole.

## Blow guns

- Use the safety version. It eliminates the risk of air at high pressure coming into direct contact with skin.

<sup>a</sup> Polycarbonate has good chemical resistance to all solvents except chemicals containing acetone, benzol, glycerine, some hydraulic and synthetic oils, chloroform, methyl alcohol, carbon tetrachloride (and similar solvents), carbon disulphide, perchloroethylene, toluene, trichloroethylene, xylene (nitrocellulose, thinner), acetic acid.

Follow this order when working with claw couplings.

### 1 How to open a claw coupling:

Close the ball valve.



### 2 Run the tool so the air ventilates out.



### 3 Release the claw coupling.



### 4 How to close a claw coupling:

Make sure that the two claw couplings are mounted together.

Use claw couplings with lock nut (LNH) or use a lock spring for safer locking.



### 5 Open the ball valve gently.

