

# Balancers



**AIR-MECH**

LTD

Phone 0800 247 6324

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

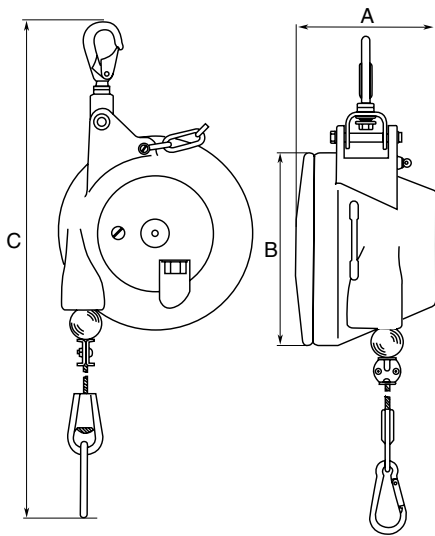
Weightless positioning balancers with a cone-shaped drum that holds the load in the correct position and keeps it weightless throughout the entire cable length. It minimizes worker fatigue.

## 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	
<b>WP 05 - Standard</b>									
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
<b>WP 05 - Extended Cable - A</b>									
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
<b>WP 10 - Standard</b>									
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
<b>WP 10 - Extended Cable - A</b>									
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
<b>WP 20 - Standard</b>									
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
<b>WP 30 - Standard</b>									
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
<b>WP 40 - Standard</b>									
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



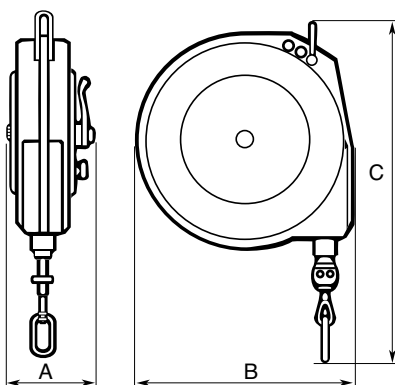
### RIL balancer

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	
<b>Retractors</b>									
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



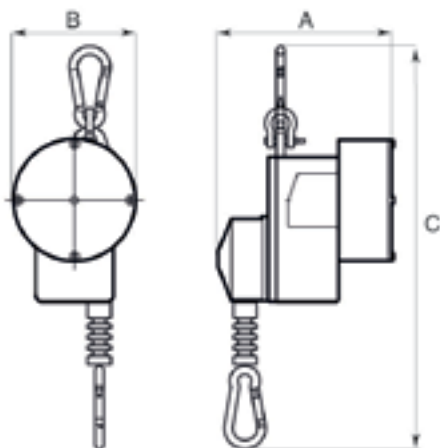
## COL balancer

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