

# Atlas Copco Air Line Accessories



# Air line accessories

<b>Contents</b>	<b>Page</b>
Introduction.....	2
Product safety.....	3
Air preparation units .....	4
Optimizer air tool oil.....	10
Direct lubrication units .....	11
Quick couplings .....	13
Claw couplings .....	25
Ball valves.....	26
Swivel connectors.....	27
Fittings.....	28
Blow protector.....	30
Hoses .....	31
Spiral hoses.....	34
Productivity kits.....	35
Hose reels .....	36
Balancers.....	40
Blow guns .....	42
Test equipment .....	43

# Introduction

*Atlas Copco air line accessories are specially developed for use with Atlas Copco tools and air motors. All accessories can be used for other applications and pneumatic equipment.*

## **Productivity**

By using Atlas Copco's air line accessories you ensure that you have a correct air line installation for your tool. This will provide the correct air flow to the tool, ensuring that you benefit from its full potential power, and that you reach the correct torque in torque-controlled tools. By using the recommended accessories you will also minimize the service requirements of the tool.

## **Energy efficiency**

With a correct installation you will not only achieve the tool's full potential power, you will also reduce energy costs. All Atlas Copco accessories are designed for minimum pressure drop, which ensures that the compressor is not "working overtime".

## **Safety**

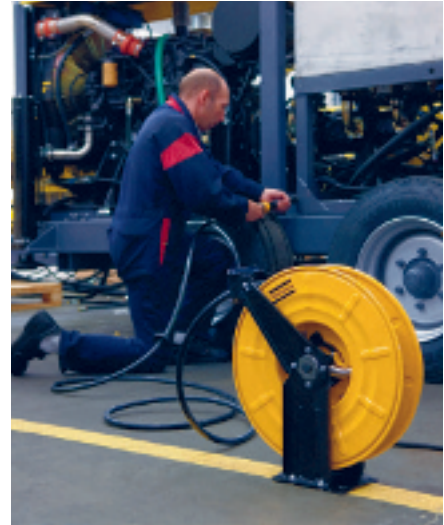
All accessories are designed to meet the highest demands for a safe working environment. Atlas Copco has developed a wide range of safety couplings, balancers, blow protectors and hose reels to meet today's high standards in terms of workplace safety.

## **Ergonomics**

Operator health and well-being are important factors. Atlas Copco accessories, such as torque arms, balancers, screw presenters and reaction bars, enable you to configure ergonomically correct workstations for your operators.

## **Quality**

All Atlas Copco accessories are made of the highest quality materials for long production cycles and to withstand rough treatment. Choose Atlas Copco accessories and you will be sure of high quality products.





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 the 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.

Follow this order when working with claw couplings.

### How to open a claw coupling:

- 1 Close the ball valve.



- 2 Run the tool so the air ventilates out.



- 3 Release the claw coupling.



### How to close a claw coupling:

- 4 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.



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

## Claw couplings

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

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 protector (see fig. 6+7).

A dangerous situation can arise with a hose that is accidentally blowing compressed air in an uncontrolled way, causing it to whip.

## 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.

- 5 Open the ball valve gently.



### Use of blow protector:

- 6 This dangerous situation can be avoided by using a blow protector.

A BLOCK blow protector shuts off the air flow so the risk of personal injuries is minimized.



- 7 We strongly recommend the use of blow protector BLOCK when using claw couplings.

When a broken hose has been replaced and the compressed air is switched on again, the BLOCK is automatically reset.



# Air preparation units Introduction

*Atlas Copco air preparation units are designed to help you get maximum productivity from your tools. They ensure minimal pressure drop and thus minimum energy losses in the air distribution system, benefiting the environment and cutting your operating costs. The lifetimes of your tools will be extended by using air preparation units and with that comes lower repair costs and less downtime.*

*A correct air installation guarantees productivity and good total economy.*

## **Filter – FIL**

Water and dirt in your compressed air system will cause extensive corrosion damage and wear.

### **Productivity**

Atlas Copco filters are equipped with a cyclone system. Using centrifugal force, this separates out a high percentage of the heavier solid water particles, while the filter ensures that the amount of dirt entering your tool is kept to a minimum. This means longer working cycles for the tools and minimum service time.

## **Regulator– REG**

Atlas Copco regulators ensure optimal flow at the specific flow rates required by Atlas Copco tools, or any other pneumatic tools.

### **Energy efficiency**

By installing a regulator you will ensure that there will not be any unnecessary consumption of compressed air. The regulators reduce a variable primary pressure to a practically constant secondary pressure with a minimum of pressure drop.

### **Productivity**

The regulator will optimize the performance of your tool, ensure torque accuracy and boost productivity.

## **Lubricator – DIM**

Atlas Copco oil lubricators ensure a long, efficient and trouble-free life for your pneumatic tools and components.

### **Productivity**

The use of a lubricator will increase the power in vane motors by about 10-15%.

### **Energy efficiency**

With the use of a lubricator you will prolong the lifetime of a vane motor up to three times and the motor will work much more efficiently, and with less friction.



*Filter – FIL*



*Regulator – REG*



*Lubricator – DIM*

Air preparation unit MINI-K's main application is to prepare the air for pneumatic components. MINI-K units have a 1/4" BSP connection thread, a composite housing made of polyamide 66 and the bowls are made of polycarbonate.

**Working temperature**

0°C to +50°C at 10 bar

**Operating pressure**

Inlet pressure 0-10 bar

Outlet pressure 0.5-8 bar

**Standard filter**

30 µm

**Pressure gauge**

1/8" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm <sup>3</sup>	Max oil capacity cm <sup>3</sup>	Weight kg	Ordering No.
<b>Filters</b>								
MINI FIL 08K-B	12	30	Polycarbonate	Manual	12	-	0.1	9092 0000 01
<b>Regulators</b>								
MINI REG 08K	10	20	-	-	-	-	0.11	9092 0000 61
<b>Lubricators</b>								
MINI DIM 08K	9	23	Polycarbonate	-	-	35	0.09	9092 0000 91
<b>Filter/regulator</b>								
MINI F/R 08K	12	17	Polycarbonate	Manual	12	-	0.12	9092 0001 21
<b>Filter/regulator+lubricator</b>								
MINI F/RD 08K	9	14	Polycarbonate	Manual	12	35	0.32	9092 0001 51

**NOTE:** **Economical air flow:** 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

**Maximum air flow:** 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. MINI-K F/RD unit is delivered complete with mounting bracket, assembly kit and pressure gauge.

Air preparation unit MINI-B's main application is to prepare the air for pneumatic components and tools with low air consumption. MINI-B has a 1/4" BSP connection thread and the housing is made of diecast zinc. The bowls are made of polycarbonate or the unit has metal bowls in zinc.

### Working temperature

0°C to +50°C at 10 bar

### Operating pressure

Inlet pressure 0-16 bar

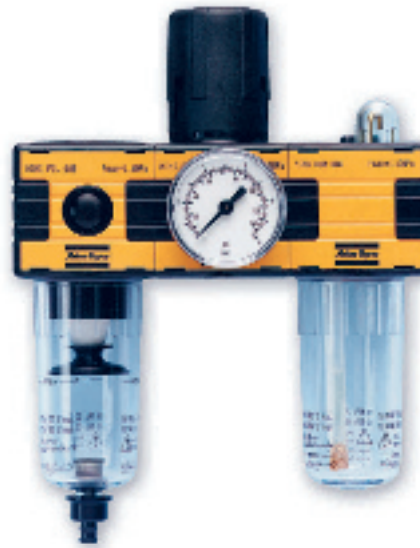
Outlet pressure 0.5-8 bar

### Standard filter

30 µm

### Pressure gauge

1/8" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm <sup>3</sup>	Max oil capacity cm <sup>3</sup>	Weight kg	Ordering No
<b>Filters</b>								
MINI FIL 08B-B	12	24	Polycarbonate	Semi/automatic	22	-	0.25	9093 0032 11
MINI FIL 08B-C	12	24	Polycarbonate	Manual	22	-	0.25	9093 0032 41
MINI FIL 08B-D	13	24	Metal	Manual	22	-	0.25	9093 0032 71
<b>Regulators</b>								
MINI REG 08B	9	47.5	-	-	-	-	0.30	9093 0033 01
MINI REG 08B-LP	9	47.5	-	-	-	-	0.30	9093 0073 21
MINI REG 08P	8	47.5	-	-	-	-	0.30	9093 0000 31
<b>Lubricators</b>								
MINI DIM 08B	12	23	Polycarbonate	-	-	45	0.25	9093 0033 31
MINI DIM 08B-D	12	23	Metal	-	-	45	0.25	9093 0033 61
<b>Filter/regulator</b>								
MINI F/R 08B-B	9	38	Polycarbonate	Semi/automatic	22	-	0.35	9093 0033 91
MINI F/R 08B-C	9	38	Polycarbonate	Manual	22	-	0.35	9093 0034 21
<b>Filter/regulator+lubricator</b>								
MINI F/RD 08B-B	9	14.8	Polycarbonate	Semi/automatic	22	45	0.75	9093 0034 51
MINI F/RD 08B-C	9	14.8	Polycarbonate	Manual	22	45	0.75	9093 0034 81
<b>Filter+regulator+lubricator</b>								
MINI FRD 08B-B	9	13.8	Polycarbonate	Semi/automatic	22	45	0.95	9093 0062 11
MINI FRD 08B-C	9	13.8	Polycarbonate	Manual	22	45	0.95	9093 0062 41

**NOTE:** Economical air flow: 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

Maximum air flow: 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MINI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

The MIDI Optimizer is suitable for more than 90% of the Atlas Copco tool range and is the best choice for assembly tools, percussive tools, drills, nibblers and grinders up to Turbo. The MIDI Optimizer has a 1/2" BSP connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert and the bowl is directly screwed to the housing for easy handling.

### MIDI Optimizer self-regulating nano-lubricator

Adjusts automatically to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates. This minimizes the lubrication needed. The nano oil mist, with a particle size of 200 nm, can be transported by the air stream up to 40 m. This means there is no oil in the hose and direct lubrication is not necessary. The lubricator can be refilled during operation.



### Working temperature

-40°C to +60°C at 10 bar  
+2°C to +60°C at 10 bar for filters

**NOTE:** For dry compressed air, ice formation must be avoided.

### Operating pressure

Inlet pressure 0-16 bar  
Outlet pressure 0.5-8 bar

### Standard filter

30 µm

### Pressure gauge

1/4" BSP

Included in F/RD and FRD units

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm <sup>3</sup>	Max oil capacity cm <sup>3</sup>	Weight kg	Ordering No
<b>Filters</b>								
MIDI Optimizer FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 01
MIDI Optimizer FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 02
<b>Regulators</b>								
MIDI Optimizer REG	-	97	-	-	-	-	0.35	9093 0021 05
MIDI Optimizer REG LP	-	97	-	-	-	-	0.35	9093 0021 06
<b>Lubricators</b>								
MIDI Optimizer DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 10
<b>Filter/regulator</b>								
MIDI Optimizer F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 12
MIDI Optimizer F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 13
<b>Filter/regulator+lubricator</b>								
MIDI Optimizer F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 16
MIDI Optimizer F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 17
<b>Filter+regulator+lubricator</b>								
MIDI Optimizer FRD A	31	55	Polymer, plastic insert	Automatic	60	90	1.1	9093 0021 24
MIDI Optimizer FRD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.1	9093 0021 25

**NOTE:** **Economical air flow:** 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

**Maximum air flow:** 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MIDI Optimizer F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.



The high flow MAXI-B air preparation unit's main application is to prepare the air for pneumatic tools which are large air consumers when long distribution hoses and multi connectors are used. A good example is Atlas Copco Turbo grinders. The MAXI-B has a diecast zinc housing and aluminum bowls with polypropylene inserts and the bowl is directly screwed to the housing for easy handling.

### Working temperature

-10°C to +50°C at 10 bar

**NOTE:** For dry compressed air, ice formation must be avoided.

### Operating pressure

Inlet pressure 0-17.5 bar

Outlet pressure 0.5-12 bar

### Standard filter

30 µm

### Pressure gauge

1/4" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm <sup>3</sup>	Max oil capacity cm <sup>3</sup>	Weight kg	Ordering No
<b>Filters</b>								
MAXI FIL 25B-B	106	190 <sup>a</sup>	Metal	Semi/automatic	130	-	0.9	9093 0074 21
<b>Regulators</b>								
MAXI REG 25B	85	333	-	-	-	-	1.2	9093 0074 61
MAXI REG 25B-LP	85	333	-	-	-	-	1.2	9093 0074 81
<b>Lubricators</b>								
MAXI DIM 25B	87	295	Metal	-	-	500	0.8	9093 0075 21
<b>Filter/regulator</b>								
MAXI F/R 25B-B	84	316	Metal	Semi/automatic	130	-	1.5	9093 0075 51
<b>Filter/regulator+lubricator</b>								
MAXI F/RD 25B-B	82	244	Metal	Semi/automatic	130	500	2.8	9093 0075 81
MAXI FRD 25B-B	81	209	Metal	Semi/automatic	130	500	3.3	9093 0076 01

<sup>a</sup> 8 bar inlet pressure, 1 bar pressure drop.

**NOTE:** **Economical air flow:** 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

**Maximum air flow:** 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MAXI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

## Accessories – Optional

### Common accessories

	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Mounting bracket kit</b>	9090 1902 00	9092 0063 01	9093 0022 01	9093 0076 15
<b>Assembly kit</b>	9090 1901 90	9092 0062 71	9093 0022 02	9093 0076 31

Are included in combination units (FD, FTD, F/RD and FRD)  
Common accessories have to be ordered separately for separate units.

### Filter (FIL) accessories (30 µm filter element is included with all filters)

	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Filter element</b>				
30 µm	9090 1898 00	9092 0063 31	9093 0023 04	9093 0076 61
5 µm		9092 0063 61	9093 0023 05	9093 0076 71
<b>Bowl guard</b>		9092 0063 91		

### Regulator (REG) accessories

	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Pressure gauge</b>				
0-10 bar				
Ø 40 mm	9090 1907 00	9090 1907 00		
Ø 50 mm		9090 1172 00	9090 2052 00	
0-16 bar				
Ø 49 mm			9090 0239 00	9090 0239 00
Ø 50 mm		9090 1657 00		
Ø 63 mm				9093 0076 45
<b>Panel mounting pressure gauge</b>				
0-10 bar				
Ø 50 mm		9090 1173 00	9090 1173 00	
0-16 bar				
Ø 63 mm				9093 0076 43
<b>Key lock for regulator -LP</b>		9092 0074 11	9092 0074 11	9092 0074 11

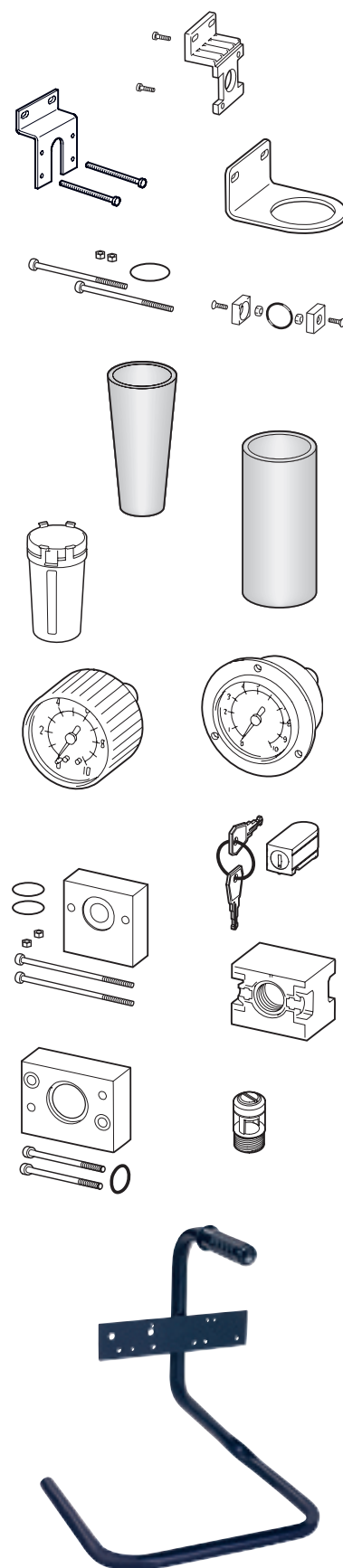
Pressure gauge 0-10 bar is included in the combination units (F/RD and FRD)  
Pressure gauge has to be ordered separately for separate units.

### Lubricator (DIM) accessories

	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Air distribution block kit</b>	9090 1900 90	9092 0064 51	9093 0022 03	9093 0076 41
<b>Bowl guard</b>		9092 0063 91		
<b>Glass sight dome</b>		9090 1121 00		9090 1873 00

### FRL stand

Model	Ordering No.
Suites all models	9090 2101 00



# Optimizer air tool oil

## Optimizer air tool oil

Atlas Copco Optimizer air tool oil is a white, oil based lubricant for pneumatic tools. It has excellent antiwear properties and contains additives preventing oxidation and foaming. The Optimizer air tool oil provides a better working environment, compared to conventional mist lubrication oils and is recommended when stringent demands are placed on the working environment.

- Provides a better working environment.
- Excellent antiwear properties.
- Minimizes wear on components.



## TECHNICAL DATA

Temperature range	-25°C to +70°C
Density at 15°C	869 kg/m <sup>3</sup>
Viscosity at 40°C	22 mm <sup>2</sup> /s
Pour point	-48°C
Flash point COC	>170°C

Model	Ordering No.
Optimizer 0.5 liter	9090 0000 02
Optimizer 1 liter	9090 0000 04
Optimizer 4 liter	9090 0000 06
Optimizer 10 liter	9090 0000 08

## Single point lubricator DOSOL

Accurate lubrication for tools in intermittent service.

The Atlas Copco DOSOL system for direct lubrication is based on an injector pump which meters out the oil in exact doses, actuated by pulses of compressed air. The oil dosage can be regulated from a fraction of a drop to a full drop.

- **Exact amount** – Precision injector, adjustable for exact amount of oil.
- **Oil directly at the tool** – The oil is conveyed through a capillary tube directly to the lubrication point.

A single-point lubricator (SPL) consists of an injector pump fitted to a valve body, converting interruptions in compressed air flow into pulses. In the majority of cases, an oil bowl is fitted on each lubricator.

Every DOSOL SPL unit can be finely tuned to inject from 1 to 1/10 of a drop of oil in 40 steps (30 to 3 mm<sup>3</sup>). Every DOSOL SPL unit includes as standard a counter with a switch that allows the lubricator to operate every first, fifth or tenth tool cycle.

The adjusting knob features a positive stop at both maximum and minimum settings, which means that a zero setting is not possible.

The preset quantity of oil is supplied to the tool through a small-bore nylon tube inside the air hose. 7.5 m of oil-filled nylon tubing is included as standard.



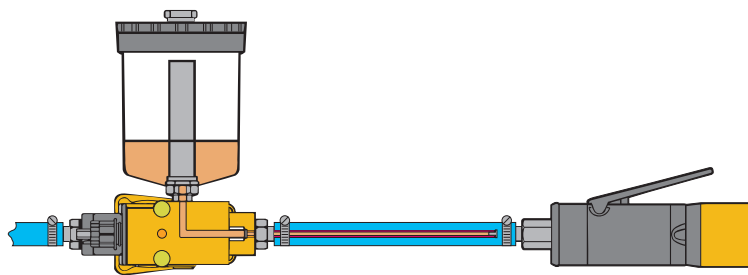
## Multiple-point lubricator DOSOL

For supplying lubricant to an unlimited number of lubrication points on a machine or in a pneumatic system.

The DOSOL multiple-point lubricator (MPL) consists of a number of JECT 01 oil metering pumps assembled into a "package" with a common BASE baseplate. A stack may contain up to ten JECT 01 units. Several such assemblies may be used together.

- All oil pumps are supplied with oil via the BASE from an oil container or central oil reservoir. A line for pneumatic signals from the equipment to be lubricated is also connected to the BASE.
- The lubricant is conveyed through small-bore nylon tubing which should be ended with check valves.
- With the TEN counter the lubricator can be actuated every first, fifth or tenth tool cycle.

Every DOSOL MPL unit can be finely tuned to inject from 1 to 1/10 drop of oil in 40 steps (30 to 3 mm<sup>3</sup>). This helps to minimize the oil dose. The adjusting knob features a positive stop at both maximum and minimum settings, which means that zero setting is not possible.



## Single-point lubricator, DOS

Model	Connection thread BSP in	Air flow l/s		Working pressure bar		Temperature range °C		Ordering No.
		min	max <sup>a</sup>	min	max	min	max	
DOS 15B-C <sup>b</sup>	1/2	2.3	45	3.2	10	-30°	+60°	8202 4201 73
DOS 15B-CR <sup>c</sup>	1/2	2.3	45	3.2	10	-30°	+60°	8202 4202 72
DOS 20B-C <sup>b</sup>	3/4	2.3	53	3.2	10	-30°	+60°	8202 4201 81
DOS 20B-CR <sup>c</sup>	3/4	2.3	53	3.2	10	-30°	+60°	8202 4202 80

<sup>a</sup> At 6 bar and DP = 0.2 bar.

<sup>b</sup> With counter and 7.5 m oil-filled nylon tubing.

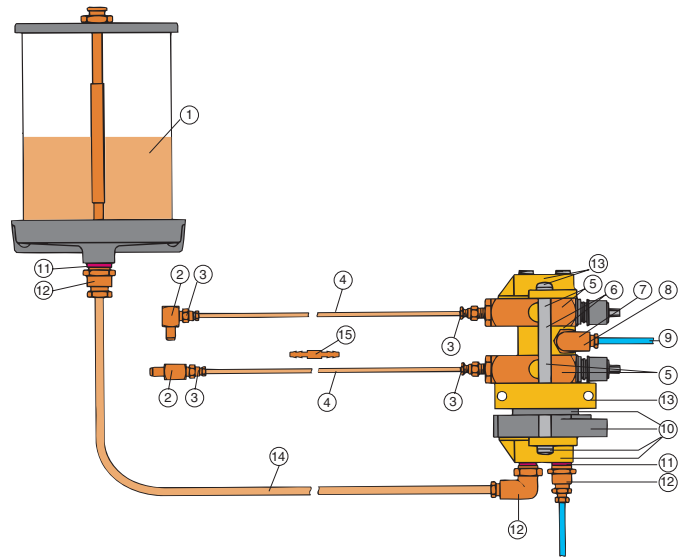
<sup>c</sup> With 0.3 l oil container counter and 7.5 m oil-filled nylon tubing.



## Accessories – Optional

### FOR SINGLE POINT LUBRICATOR DOSOL

Designation	Ordering No.
Nylon tubing 3.2 mm outside diameter	
7.5 m, oil-filled	9090 1418 00
7.5 m, without oil	9090 1419 00
100 m, with oil	9090 1420 00
Barbed nipple for joining of 3.2 mm tubes	9090 1423 00
Check valve for outer end of nylon tubing, dia ext. 3.2 mm	9090 2050 00



**NOTE:** When the counter TEN is used in MPL installations an intermediate, black plastic part is used (supplied with all TEN counters) between BASE and TEN.

### FOR MULTI POINT LUBRICATOR DOSOL

#### Multiple-point lubricator, BASE, JECT 01

Designation	BSP in	Ordering No.
BASE baseplate	Plate	8202 4205 04
	Oil port	1/4
	Air port	1/4
	Clamp	
	Oil port	1/4
	Air port	1/4
JECT 01 oil pump	Oil delivery port	1/8
		8202 4203 10

#### TEN-counter

When lubricating equipment with a very low air consumption or very short time in operation it may be difficult to set a sufficiently small dose of oil. In such cases a counter is connected underneath the base plate BASE. The oil pumps will then be actuated only on each, every fifth or every tenth air pulse. The air signal is connected to the clamp underneath the counter.

Ordering No. 8202 4206 03

#### Side-ported air block kit

If all pumps are not to be actuated simultaneously, a signal block is installed between the oil pumps in the stack. The pumps below the signal block will then be actuated via the base plate BASE and those above it from a separate signal via the signal block.

Ordering No. 8202 4206 03

Ref No. in figure	Designation	Ordering No.
1	Oil container 0.3 l for direct mounting 0.95 l for wall mounting (1/4" BSP female) 1.9 l for wall mounting (1/4" BSP female)	9090 1415 00 9090 1416 00 9090 1417 00
2	Check valve 1/8" BSPT 90° elbow male x 1/8" BSP female 1/8" BSPT, straight male x 1/8" BSP female	9090 1427 00 9090 1426 00
3	Male adapter 1/8" BSPT, straight for tube outer diameter 3.2 mm	9090 1425 00
4	Capillary tubing 7.5 m, outer dia. 3.2 mm prefilled with oil 7.5 m, outer dia. 3.2 mm without oil 100 m, outer dia. 3.2 mm with oil	9090 1418 00 9090 1419 00 9090 1420 00
5	JECT 01 kit <sup>a</sup>	8202 4203 10
6	Side-ported air block kit	9090 1424 00
7	Fibre packing for 1/8" BSP	0657 5742 00
8	Male adapter 1/8" BSP, straight for tube outer diameter 5 mm	9090 0714 00
9	Nylon tube outer diameter 5 mm (sold by the meter)	9030 0059 00
10	Counter TEN kit	8202 4206 03
11	Fiber packing for 1/4" BSP	0657 5764 00
12	Male adapter 1/4" BSP, straight for tube outer diameter 8 mm	9090 0715 00
13	BASE kit	8202 4205 04
14	Nylon tube, outer diameter 8 mm (sold by the meter)	9030 0060 00
15	Barbed nipple for joining of nylon tubes outer diameter 3.2 mm	9090 1423 00

<sup>a</sup> With high temperature Viton seals 8202 4203 15.

Whenever tools or pneumatic equipment need to be changed, or you need to make quick connections of hoses to an air outlet, Atlas Copco couplings are simply the best choice.

## Energy efficiency

All Atlas Copco couplings are designed for a minimum pressure drop to reduce energy consumption.

## Productivity

Exceptionally high air flow will guarantee full power in the tools.

## Quality

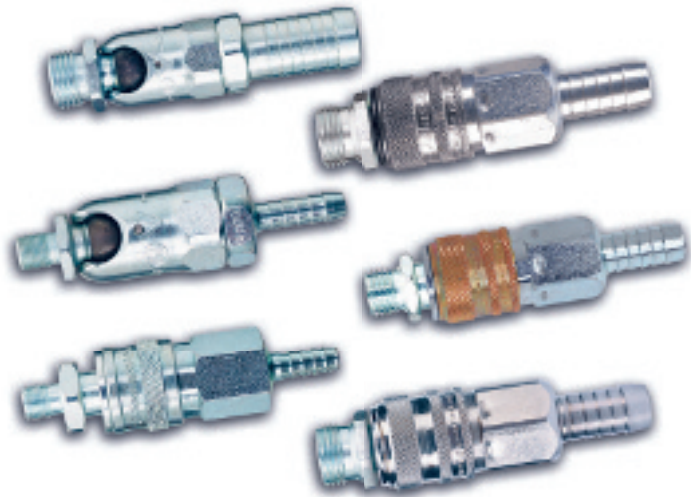
The bodies of the couplings are made of hardened steel with a no-leakage design for long service life and heavy duty applications.

## Ergonomics

Compact dimensions and low weight.

## Safety

ErgoQIC and QIC S are vented safety versions to minimize the risk of sudden component separation and sound bang. The safety features are according to EN 983 and ISO 4414.



## Selection guide

The range consists of twelve different types, ErgoQIC 08, ErgoQIC 08E, ErgoQIC 10, QIC 08, QIC 08S, QIC 10, QIC 10S, QIC 10SE, QIC 15, QIC 15S, QIC 15SE and CLAW. The ErgoQIC system is a ball valve coupling with a safety feature offering a higher flow than ordinary coupling systems. The QIC system is a normal quick coupling system with high air flow. The QIC S and QIC SE are quick couplings with a safety function. The Claw coupling is a large bore claw coupling system offering a very high air flow.

For assembly tools, riveting hammers and drills it is recommended that a smaller sized coupling such as QIC 10 /S /SE and ErgoQIC 08 /E is used, but

### Standard / Quick coupling / Flow capacity

ISO 6150 B / A-A 59439	QIC 08 / S	16 l/s	
Atlas Copco standard	QIC 10 / S	29 l/s	
Eurostandard 7.6	QIC 10SE	29 l/s	
Atlas Copco standard	ErgoQIC 08	30 l/s	
Eurostandard 7.6	ErgoQIC 08E	34 l/s	
Atlas Copco standard	QIC 15 / S	57 l/s	
Eurostandard 10.4	QIC 15SE	57 l/s	
Atlas Copco standard	ErgoQIC 10	65 l/s	

for assembly tools and drills with higher air consumption than 20 l/s it is recommended that QIC 15 /S /SE or ErgoQIC 10 are used. For grinders and percussive tools it is recommended that the bigger

sized couplings QIC 15 /S /SE and ErgoQIC 10 and Claw are used. For smaller grinders with air consumption below 10 l/s ErgoQIC 08 /E and QIC 10 /S /SE can be used.

## ErgoQIC 08

### Atlas Copco standard profile

The ErgoQIC 08 is a full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08 will give the benefits of productivity and energy efficiency.

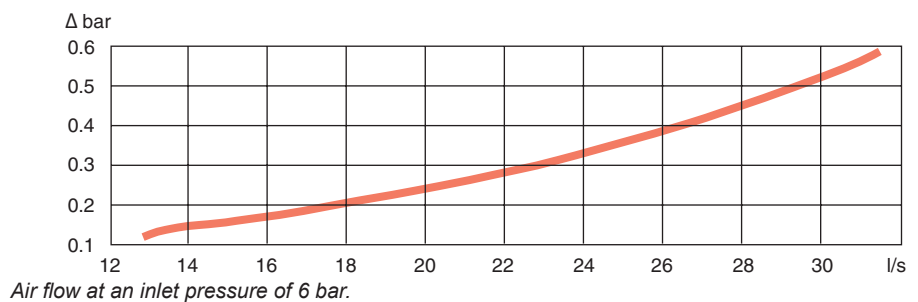
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.








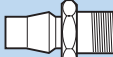


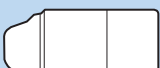
## TECHNICAL DATA

Max flow capacity 30 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 18 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

## FLOW CHART. ErgoQIC 08 M15 and ErgoNIP 08 M10



## ErgoQIC 08 and ErgoNIP 08, 18 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size		Connection type	Nipple ErgoNIP 08	Ordering No.	Size	
			mm	in				mm	in
	H06	8202 1110 04	6.3	1/4		H06	8202 1210 37	6.3	1/4
	H08	8202 1110 12	8	5/16		H08	8202 1210 45	8	5/16
	H10	8202 1110 38	10	3/8		H10	8202 1210 52	10	3/8
	H13	8202 1110 40	12.5	1/2		H13	8202 1210 54	12.5	1/2
						SH06	8202 1210 39	6.3	1/4
						SH08	8202 1210 47	8	5/16
						SH10	8202 1210 50	10	3/8
						SH13	8202 1210 55	12.5	1/2
	M08	8202 1110 61	1/4	BSP		M06	8202 1210 03	1/8	BSP
	M10	8202 1110 79	3/8	BSP		M08	8202 1210 11	1/4	BSP
	M15	8202 1110 87	1/2	BSP		M10	8202 1210 29	3/8	BSP
						M15	8202 1210 31	1/2	BSP
	F08	8202 1110 90	1/4	BSP		F08	8202 1210 60	1/4	BSP
	F10	8202 1110 95	3/8	BSP		F10	8202 1210 62	3/8	BSP
Protective cover	9090 1940 00								
									

<sup>a</sup> For joining hoses longer than 3 meters.

## ErgoQIC 08E Eurostandard 7.6 (7.4)

The ErgoQIC 08E is a full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and small grinders. Upgrading any air system using Eurostandard nipples with ErgoQIC 08E couplings will give the benefits of productivity and energy efficiency.

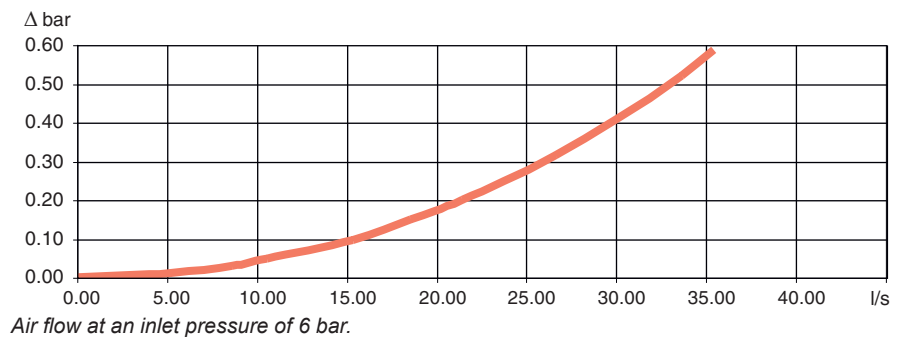
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.



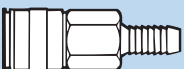

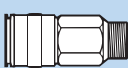
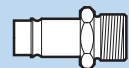


### TECHNICAL DATA

Max flow capacity 34 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 22 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

### FLOW CHART. ErgoQIC 08 E and NIP EU 7.6



### ErgoQIC 08 E and NIP EU 7.6, 20 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling ErgoQIC 08 E		Size		Connection type	Nipple NIP EU 7.6		Size	
		Ordering No.	mm	in			Ordering No.	mm	in
<b>H – Hose</b> 	H06	8202 1106 00	6.3	1/4	<b>H – Hose</b> 	H05	8202 1204 00	5	3/16
	H08	8202 1106 01	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1106 02	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1106 03	12.5	1/2		H10	8202 1204 15	10	3/8
						H13	8202 1204 20	12.5	1/2
<b>M – Male thread</b> 	M08	8202 1106 04	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1204 25	1/8	BSP
	M10	8202 1106 05	3/8	BSP		M08	8202 1204 30	1/4	BSP
	M15	8202 1106 06	1/2	BSP		M10	8202 1204 35	3/8	BSP
<b>F – Female</b> 	F08	8202 1106 07	1/4	BSP	<b>F – Female</b> 	F08	8202 1204 55	1/4	BSP
	F10	8202 1106 08	3/8	BSP		F10	8202 1204 60	3/8	BSP
		F15	8202 1106 09	1/2	BSP				



## ErgoQIC 10

### Atlas Copco standard profile

The ErgoQIC 10 is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 will give the benefits of productivity and energy efficiency.

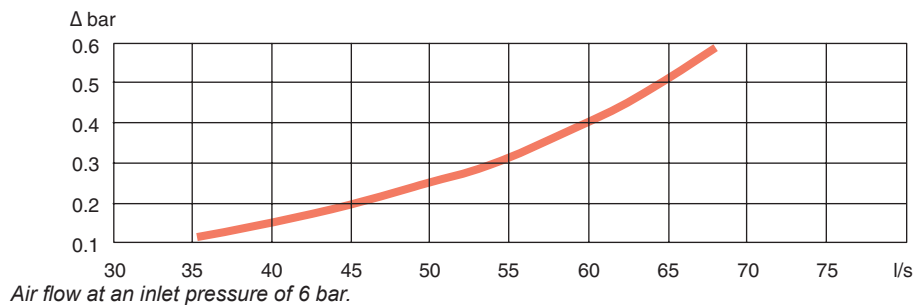
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.



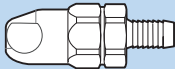
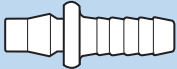
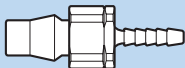

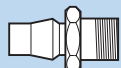
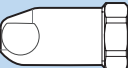
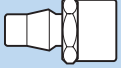
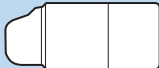
## TECHNICAL DATA

Max flow capacity 65 l/s (0.5 bar ΔP)  
 Economical air flow 47 l/s (0.2 bar ΔP)  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

## FLOW CHART. ErgoQIC 10 M15 and ErgoNIP 10 M15



## ErgoQIC 10 and ErgoNIP 10, 47 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling ErgoQIC 10	Ordering No.	Size		Connection type	Nipple ErgoNIP 10	Ordering No.	Size	
			mm	in				mm	in
	H06	8202 1120 30	6.3	1/4		H06	8202 1220 35	6.3	1/4
	H08	8202 1120 40	8	5/16		H08	8202 1220 43	8	5/16
	H10	8202 1120 02	10	3/8		H10	8202 1220 50	10	3/8
	H13	8202 1120 10	12.5	1/2		H13	8202 1220 68	12.5	1/2
	H16	8202 1120 50	16	5/8		H16	8202 1220 76	16	5/8
	H20	8202 1120 60	19	3/4		H20	8202 1220 77	19	3/4
					<b>SH – Safety Hose<sup>a</sup></b>				
									
	M08	8202 1120 85	1/4	BSP		M08	8202 1220 01	1/4	BSP
	M10	8202 1120 93	3/8	BSP		M10	8202 1220 19	3/8	BSP
	M15	8202 1120 97	1/2	BSP		M15	8202 1220 27	1/2	BSP
	F08	8202 1121 00	1/4	BSP		F08	8202 1220 84	1/4	BSP
	F10	8202 1121 05	3/8	BSP		F10	8202 1220 86	3/8	BSP
						F15	8202 1220 88	1/2	BSP
Protective cover		9090 1931 00							
									

<sup>a</sup> For joining hoses longer than 3 meters.

## QIC 08S

ISO 6150 B / A-A 59439 (former US standard MIL C 4109 1/4")

The QIC 08S is a compact safety coupling suitable for small screwdrivers and drills. The light, compact design of QIC 08S couplings makes them easy to work with.

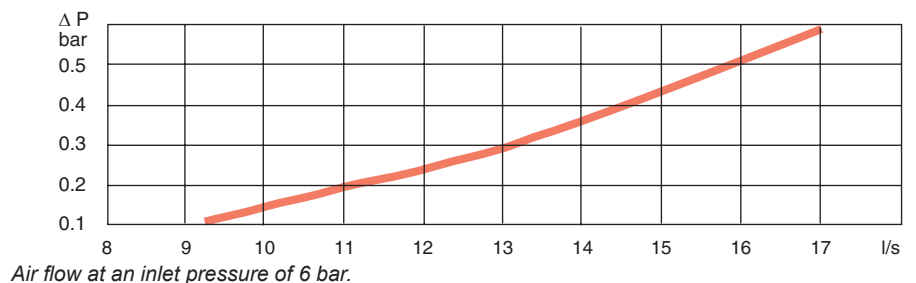
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.



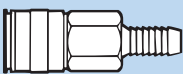

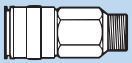
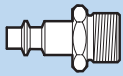
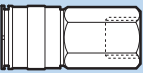
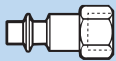
## TECHNICAL DATA

Max flow capacity 16 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 11 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 08S M08 and NIP 08 F08



## QIC 08S and NIP 08, 11 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 08S	Ordering No.	Size		Connection type	Nipple NIP 08	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1300 06	6.3	1/4	<b>H – Hose</b> 	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 15	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 25	10	3/8		H10	8202 1205 34	10	3/8
<b>M – Male thread</b> 	M08	8202 1300 40	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1205 42	1/8	BSP
	M10	8202 1300 50	3/8	BSP		M08	8202 1205 59	1/4	BSP
<b>F – Female thread</b> 	F08	8202 1300 55	1/4	BSP	<b>F – Female thread</b> 	F10	8202 1205 67	3/8	BSP
	F10	8202 1300 65	3/8	BSP		F08	8202 1205 83	1/4	BSP
						F10	8202 1205 91	3/8	BSP

## QIC 08

**ISO 6150 B / A-A 59439** (former US standard MIL C 4109 1/4")

The QIC 08 coupling is suitable for small screwdrivers and drills. Its lightweight, compact design makes the QIC 08 coupling easy to work with.

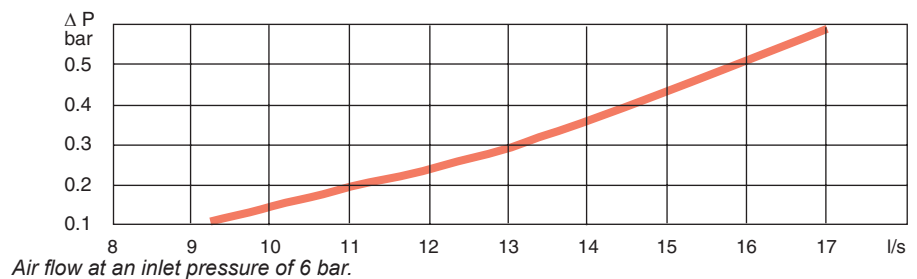
- High flow coupling.
- One-hand operation.
- Low connection force.




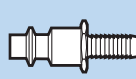

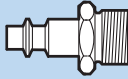


## TECHNICAL DATA

Max flow capacity 16 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 11 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 08 M08 and NIP 08 F08



## QIC 08 and NIP 08, 11 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 08	Ordering No.	Size		Connection type	Nipple NIP 08	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	8202 1300 04	6.3	1/4	 H – Hose	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 12	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 20	10	3/8		H10	8202 1205 34	10	3/8
 M – Male thread	M08	8202 1300 38	1/4 BSP		 M – Male thread	M06	8202 1205 42	1/8 BSP	
	M10	8202 1300 46	3/8 BSP			M08	8202 1205 59	1/4 BSP	
 F – Female thread	F08	8202 1300 53	1/4 BSP		 F – Female thread	F08	8202 1205 83	1/4 BSP	
	F10	8202 1300 61	3/8 BSP			F10	8202 1205 91	3/8 BSP	

## QIC 10S

### Atlas Copco standard profile

QIC 10S safety coupling is suitable for assembly tools and drills. The QIC 10S is strong and durable and interchangeable with the QIC 10 coupling.

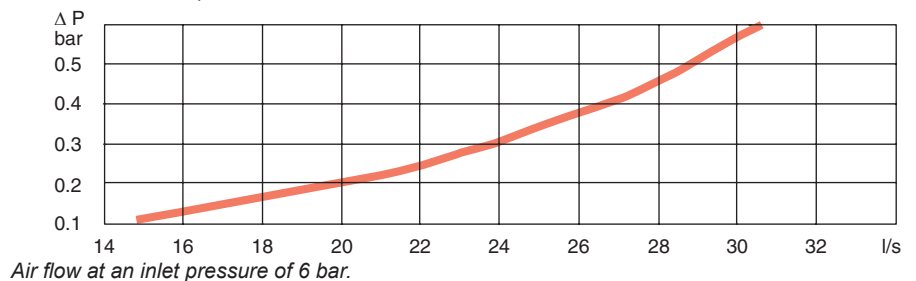
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.





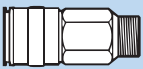
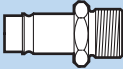
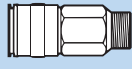
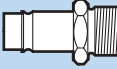
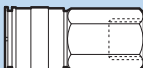
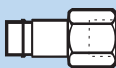
## TECHNICAL DATA

Max flow capacity 29 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 20 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 10S M10 and NIP 10 M10



## QIC 10S and NIP 10, 20 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 10S	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1302 05	6.3	1/4	<b>H – Hose</b> 	H06	8202 1202 11	6.3	1/4
	H08	8202 1302 15	8	5/16		H08	8202 1202 94	8	5/16
	H10	8202 1302 30	10	3/8		H10	8202 1202 29	10	3/8
	H13	8202 1302 35	12.5	1/2		H13	8202 1202 34	12.5	1/2
<b>M – Male thread</b> 	M08	8202 1302 40	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1202 37	1/8	BSP
	M10	8202 1302 50	3/8	BSP		M08	8202 1202 45	1/4	BSP
	M15	8202 1302 78	1/2	BSP		M10	8202 1202 52	3/8	BSP
<b>MT – Male taper thread</b> 	MT15	8202 1302 55	1/2	BSPT	<b>MT – Male taper thread</b> 	MT08	8202 1202 60	1/4	BSPT
						MT10	8202 1202 78	3/8	BSPT
						MT15	8202 1203 02	1/2	BSPT
<b>F – Female</b> 	F08	8202 1302 75	1/4	BSP	<b>F – Female</b> 	F08	8202 1202 86	1/4	BSP



## QIC 10SE

### Eurostandard 7.6 (7.4)

The QIC 10SE safety coupling is easy to handle and suitable for assembly tools and drills. The QIC 10SE is compatible with eurostandard nipples. QIC 10SE has a wide range of connections available.

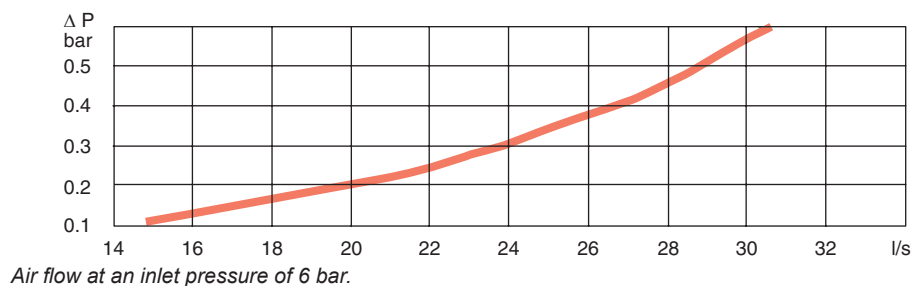
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.





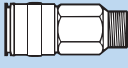
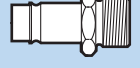
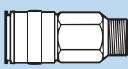
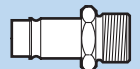
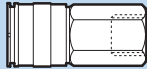
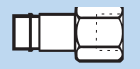
## TECHNICAL DATA

Max flow capacity 29 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 20 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 10SE M10 and NIP EU 7.6



## QIC 10SE and NIP EU 7.6, 20 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 10SE		Size		Connection type	Nipple NIP EU 7.6		Size	
	Ordering No.	mm	in	Ordering No.		mm	in		
<b>H – Hose</b> 	H06	8202 1303 20	6.3	1/4	<b>H – Hose</b> 	H05	8202 1204 00	5	3/16
	H08	8202 1303 21	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1303 22	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1303 23	12.5	1/2		H10	8202 1204 15	10	3/8
<b>M – Male thread</b> 	M08	8202 1303 24	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1204 25	1/8	BSP
	M10	8202 1303 25	3/8	BSP		M08	8202 1204 30	1/4	BSP
	M15	8202 1303 36	1/2	BSP		M10	8202 1204 35	3/8	BSP
<b>MT – Male taper thread</b> 	MT15	8202 1303 26	1/2	BSPT	<b>MT – Male taper thread</b> 	MT08	8202 1204 40	1/4	BSPT
						MT10	8202 1204 45	3/8	BSPT
						MT15	8202 1204 50	1/2	BSPT
<b>F – Female</b> 	F08	8202 1303 27	1/4	BSP	<b>F – Female</b> 	F08	8202 1204 55	1/4	BSP
	F15	8202 1303 33	1/2	BSP		F10	8202 1204 60	3/8	BSP

## QIC 10

### Atlas Copco standard profile

The QIC 10 is a small quick coupling suitable for assembly tools and drills. The QIC 10 can withstand extremely rough handling in tough applications.

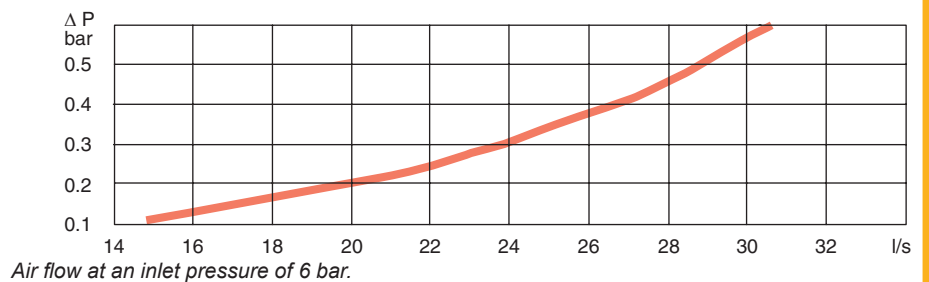
- High flow coupling.
- Strong and durable.
- One-hand operation.



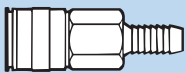

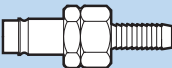
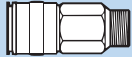
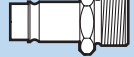

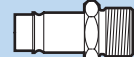
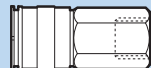
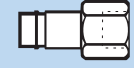
## TECHNICAL DATA

Max flow capacity 29 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 20 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 10 M10 and NIP 10 M10



## QIC 10 and NIP 10, 20 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 10	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1302 02	6.3	1/4	<b>H – Hose</b> 	H06	8202 1202 11	6.3	1/4
	H08	8202 1302 10	8	5/16		H08	8202 1202 94	8	5/16
	H10	8202 1302 28	10	3/8		H10	8202 1202 29	10	3/8
	H13	8202 1302 34	12.5	1/2		H13	8202 1202 34	12.5	1/2
					<b>SH – Safety Hose<sup>a</sup></b> 	SH06	8202 1203 10	6.3	1/4
					SH08	8202 1203 36	8	5/16	
					SH10	8202 1203 28	10	3/8	
<b>M – Male thread</b> 	M08	8202 1302 36	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1202 37	1/8	BSP
	M10	8202 1302 44	3/8	BSP		M08	8202 1202 45	1/4	BSP
					M10	8202 1202 52	3/8	BSP	
<b>MT – Male taper thread</b> 	MT15	8202 1302 51	1/2	BSPT	<b>MT – Male taper thread</b> 	MT08	8202 1202 60	1/4	BSPT
						MT10	8202 1202 78	3/8	BSPT
						MT15	8202 1203 02	1/2	BSPT
<b>F – Female</b> 	F08	8202 1302 69	1/4	BSP	<b>F – Female</b> 	F08	8202 1202 86	1/4	BSP

<sup>a</sup> For hoses longer than 3 meters.

## QIC 15S

### Atlas Copco standard profile

The QIC 15S safety coupling is suitable for assembly tools, grinders and drills. The QIC 15S is easy to handle, strong and durable.

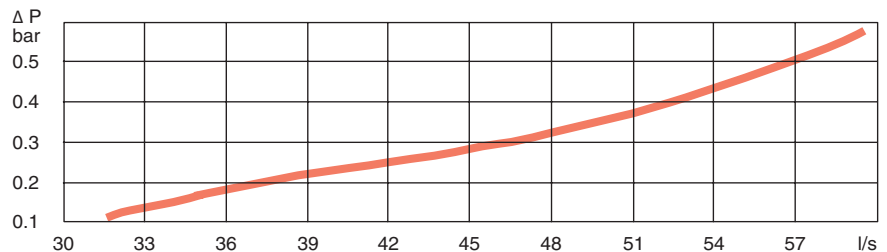
- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.



## TECHNICAL DATA








Max flow capacity 57 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 37 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 15S M15 and NIP 15 F15



Air flow at an inlet pressure of 6 bar.

## QIC 15S and NIP 15, 37 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 15S	Ordering No.	Size		Connection type	Nipple NIP 15	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1304 05	10	3/8	<b>H – Hose</b> 	H06	8202 1251 03	6.3	1/4
	H13	8202 1304 20	12.5	1/2		H08	8202 1252 28	8	5/16
	H16	8202 1304 30	16	5/8		H10	8202 1251 11	10	3/8
<b>M – Male thread</b> 	M08	8202 1304 35	1/4"	BSP	<b>M – Male thread</b> 	M10	8202 1251 45	3/8"	BSP
	M10	8202 1304 45	3/8"	BSP		M15	8202 1251 52	1/2"	BSP
	M15	8202 1304 65	1/2"	BSP					
					<b>MT – Male taper thread</b> 	MT08	8202 1251 60	1/4"	BSPT
						MT10	8202 1251 78	3/8"	BSPT
						MT15	8202 1251 86	1/2"	BSPT
<b>F – Female thread</b> 	F15	8202 1304 70	1/2"	BSP	<b>F – Female thread</b> 	F08	8202 1251 94	1/4"	BSP
						F10	8202 1252 02	3/8"	BSP
						F15	8202 1252 10	1/2"	BSP

## QIC 15SE

### Eurostandard 10.4

The QIC 15SE safety coupling is suitable for assembly tools, grinders and drills. The QIC 15SE is interchangeable with eurostandard nipples and can withstand rough handling.

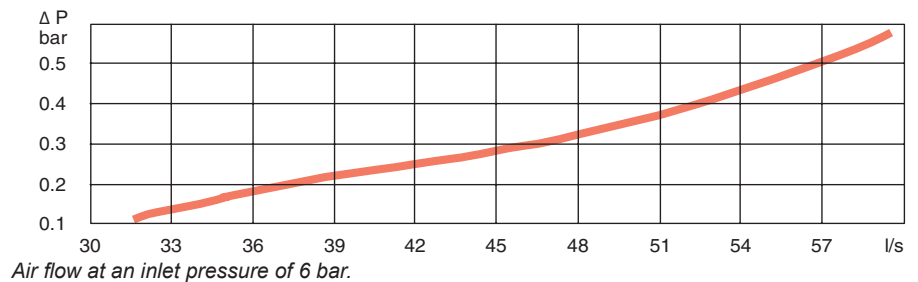
- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.



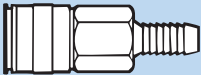

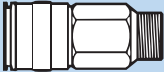
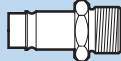
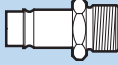

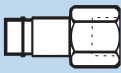
## TECHNICAL DATA

Max flow capacity 57 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 37 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

## FLOW CHART. QIC 15SE M15 and NIP 15E F15



## QIC 15SE and NIP 15E, 37 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 15SE	Ordering No.	Size		Connection type	Nipple NIP 15E	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1305 20	10	3/8	<b>H – Hose</b> 	H06	8202 1253 00	6.3	1/4
	H13	8202 1305 21	12.5	1/2		H08	8202 1253 05	8	5/16
	H16	8202 1305 22	16	5/8		H10	8202 1253 10	10	3/8
<b>M – Male thread</b> 	M08	8202 1305 23	1/4"	BSP	<b>M – Male thread</b> 	M10	8202 1253 25	3/8"	BSP
	M10	8202 1305 24	3/8"	BSP		M15	8202 1253 30	1/2"	BSP
	M15	8202 1305 25	1/2"	BSP					
					<b>MT – Male taper thread</b> 	MT08	8202 1253 35	1/4"	BSPT
						MT10	8202 1253 40	3/8"	BSPT
						MT15	8202 1253 45	1/2"	BSPT
<b>F – Female thread</b> 	F15	8202 1305 26	1/2"	BSP	<b>F – Female thread</b> 	F08	8202 1253 50	1/4"	BSP
						F10	8202 1253 55	3/8"	BSP
						F15	8202 1253 60	1/2"	BSP

## QIC 15 Atlas Copco standard profile

The QIC 15 quick coupling is suitable for assembly tools, grinders and drills. The QIC 15 can withstand extremely rough handling in tough applications.

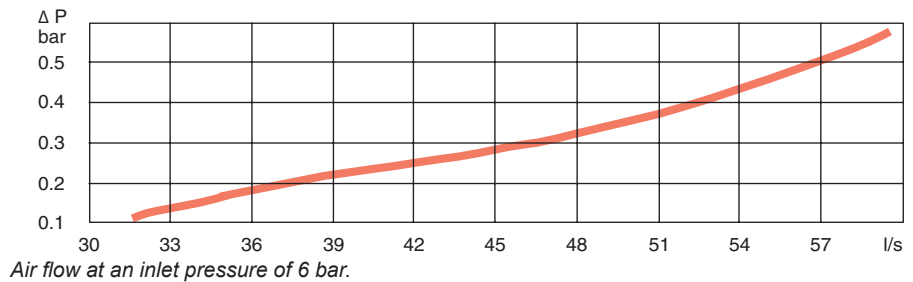
- Extremely high flow.
- Strong and durable.
- One-hand operation.




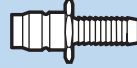
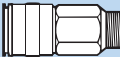




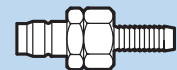
### TECHNICAL DATA

Max flow capacity 57 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 37 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

### FLOW CHART. QIC 15 M15 and NIP 15 F15



### QIC 15 and NIP 15, 37 l/s (recommended air flow at 6 bar pressure)

Connection type	Coupling QIC 15	Ordering No.	Size		Connection type	Nipple NIP 15	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1304 00	10	3/8	<b>H – Hose</b> 	H06	8202 1251 03	6.3	1/4
	H13	8202 1304 18	12.5	1/2		H08	8202 1252 28	8	5/16
	H16	8202 1304 26	16	5/8		H10	8202 1251 11	10	3/8
<b>M – Male thread</b> 	M08	8202 1304 34	1/4	BSP	<b>M – Male thread</b> 	M10	8202 1251 45	3/8	BSP
	M10	8202 1304 42	3/8	BSP		M15	8202 1251 52	1/2	BSP
	M15	8202 1304 59	1/2	BSP		<b>MT – Male taper thread</b> 	MT08	8202 1251 60	1/4
<b>F – Female thread</b> 	F15	8202 1304 67	1/2	BSP	<b>F – Female thread</b> 	F10	8202 1252 02	3/8	BSP
						F08	8202 1251 94	1/4	BSP
						F15	8202 1252 10	1/2	BSP
				<b>SH – Safety Hose<sup>a</sup></b> 		SH10	8202 1203 44	10	3/8
						SH13	8202 1203 51	12.5	1/2
						SH16	8202 1203 69	16	5/8

<sup>a</sup> For hoses longer than 3 meters.

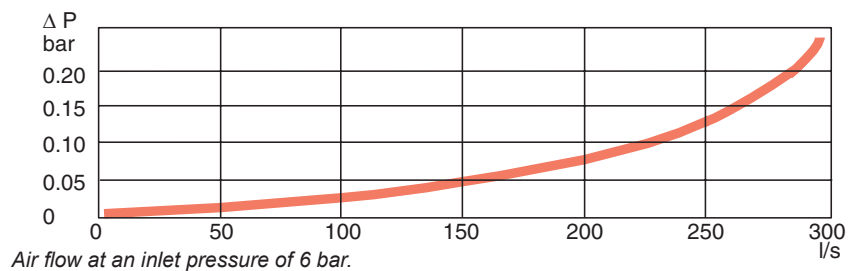
CLAW couplings are made from drop-forged, hardened steel which can withstand rough treatment and ensures a long life even under difficult conditions. The coupling head is the same for all sizes, which can therefore be freely combined.

The recommended maximum working pressure is 10 bar.

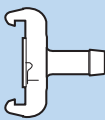
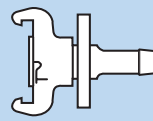
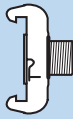
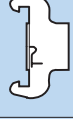


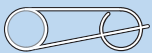
- Large bore – machined surfaces give low air resistance and minimum pressure drop.
- Robust claws – will withstand rough handling without deformation.
- Locking lugs – precision-made to provide a reliable lock.
- Special rubber packings – resistant to oil and temperature changes. Max. temperature 80°C (176°F).
- Packing seats – lathe-turned grooves ensure a leak-proof seal.
- Couplings are zinc-plated and thus effectively treated against corrosion.



**FLOW CHART. For 2 pieces of CLAW**



## CLAW

Connection type	Coupling CLAW	Ordering No.	Size		Bore B, mm
			mm	in	
<b>H</b> – Hose 	H06	9000 0308 00	6.3	1/4	5.0
	H10	9000 0309 00	10	3/8	8.0
	H13	9000 0310 00	12.5	1/2	10.5
	H16	9000 0311 00	16	5/8	13.5
	H20	9000 0312 00	19	3/4	17.0
	H25	9000 0313 00	25	1	22.0
<b>LNH</b> – Lock nut, Hose 	LNH10	9000 0260 00	10	3/8	8.0
	LNH13	9000 0261 00	12.5	1/2	10.5
	LNH16	9000 0262 00	16	5/8	13.5
	LNH20	9000 0263 00	19	3/4	17.2
	LNH25	9000 0264 00	25	1	22.0
<b>M</b> – Male thread 	M10	9000 0300 00	3/8	BSP	11.2
	M15	9000 0301 00	1/2	BSP	14.8
	M20	9000 0302 00	3/4	BSP	19.0
	M25	9000 0303 00	1	BSP	25.5
<b>F</b> – Female thread 	F10	9000 0304 00	3/8	BSP	15.0
	F15	9000 0305 00	1/2	BSP	18.6
	F20	9000 0306 00	3/4	BSP	24.0
	F25	9000 0307 00	1	BSP	25.0
Protection cover for CLAW couplings		9000 0314 00			
Extra packing for CLAW couplings		For type H, M and F	9000 0000 00 (+80°C), 9000 0000 01 (+200°C) <sup>a</sup>		
		For LNH10, -13 and -16	9000 0015 00		
		For LNH20 and -25	9000 0268 00 (+80°C), 9000 0319 00 (+200°C) <sup>a</sup>		
Safety lock spring		3176 8640 90	25 pieces		

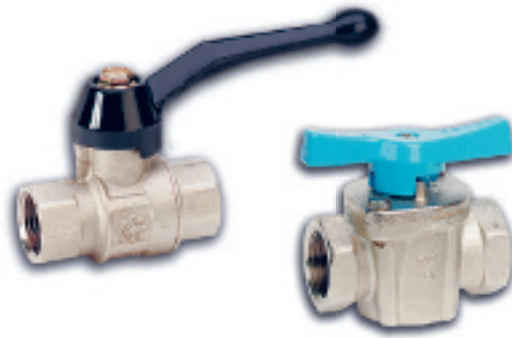
<sup>a</sup> Viton-green.



## BAL and BAL-1A

The Atlas Copco valves BAL and BAL-1A are both suitable for air, water and many other liquids and gases due to the choice of material.

- Silicone-free grease – Both are lubricated with silicone-free grease which is important when spray-painting.
- Maximum through flow – Full bore valve to DIN standards.
- Housing and ball made of chrome-plated hot-stamped brass MS 58.
- Handle of enamelled aluminum.



## BAL – with nitrile rubber seals

BAL valves can be used in all settings between fully open and fully closed.

The balls and the seals can be replaced without the body being removed from the piping.

## TECHNICAL DATA

Maximum working pressure: 16 bar.  
Working temperature range: -20°C to +90°C.

## BAL-1A – with teflon seals

Intended for operating either fully open or fully closed.

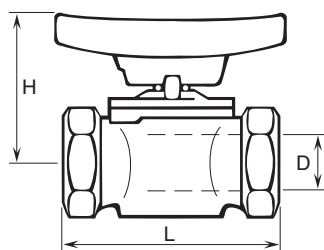
## TECHNICAL DATA

Maximum working pressure: 16 bar  
(BAL-1A 40 and 50: max. 16 bar up to +100°C).

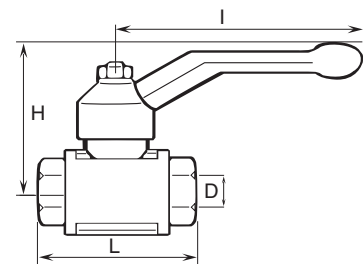
Working temperature range: -30°C to +200°C. (BAL-1A 40 and 50: at +200°C max. working pressure is reduced to 8 bar).

Model	Connection thread in BSP	Bore D mm	L mm	H mm	I mm	Ordering No.
BAL 08	1/4	9.5	50	41	-	8202 0301 05
BAL 10	3/8	9.5	50	41	-	8202 0302 04
BAL 15	1/2	12.5	60	43	-	8202 0303 03
BAL 20	3/4	19	75	55	-	8202 0304 02
BAL 25	1	24.5	90	64	-	8202 0305 01
BAL-1A 08	1/4	8	43	44	73	8202 0306 03
BAL-1A 10	3/8	10	50	47	73	8202 0306 11
BAL-1A 15	1/2	15	61	53	94	8202 0306 29
BAL-1A 20	3/4	20	70	57	94	8202 0306 37
BAL-1A 25	1	25	83	67.5	122	8202 0306 45
BAL-1A 32	1 1/4	32	100	83	150	8202 0306 52
BAL-1A 40	1 1/2	38	107	87	150	8202 0306 60
BAL-1A 50	2	50	129	103	193	8202 0306 78

## Dimensions



Double connection



BAL

## MultiFlex Swivel Multi-directional connector

The MultiFlex swivel is an ingenious multi-directional connector. Connect your tool and the hose will stay in the ideal position however much you and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight. It takes the effort out of working in those cramped spaces. What's more, the hose feels almost weightless and it reduces hose wear. It's the magic of MultiFlex – a marriage of ergonomic thinking and ingenious design.

- Ergonomic.
- Reduces hose wear.
- High flow capacity.
- Minimum pressure drop.
- Strong and durable.

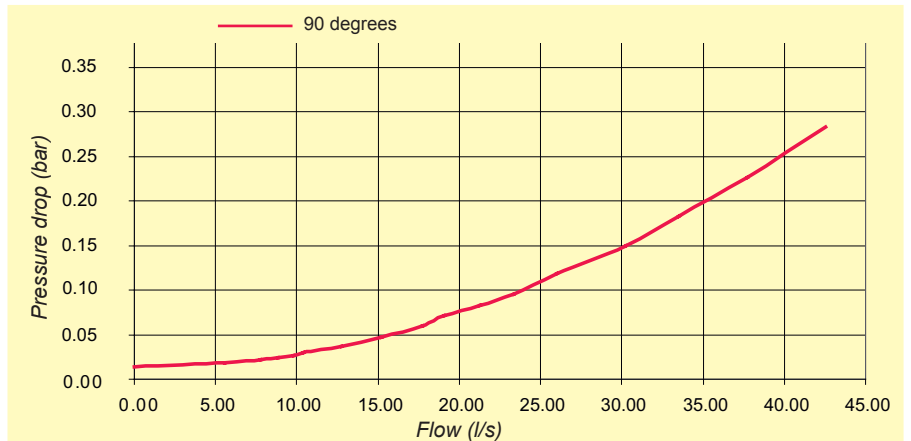


Model	Max rec. air flow <sup>a</sup>		Thread		Weight g	Length mm	Dia mm	Ordering No.
	l/s	cfm	Inlet female in	Outlet male in				
MultiFlex 1/8" BSP	12	25	1/8 BSP	1/8 BSP	73	66.2	24	8202 1350 18
MultiFlex 1/4" BSP	12	25	1/4 BSP	1/4 BSP	73	66.2	24	8202 1350 20
MultiFlex 3/8" BSP	32	68	3/8 BSP	3/8 BSP	130	80.6	29.5	8202 1350 22
MultiFlex 1/2" BSP	32	68	1/2 BSP	1/2 BSP	125	80.6	29.5	8202 1350 24

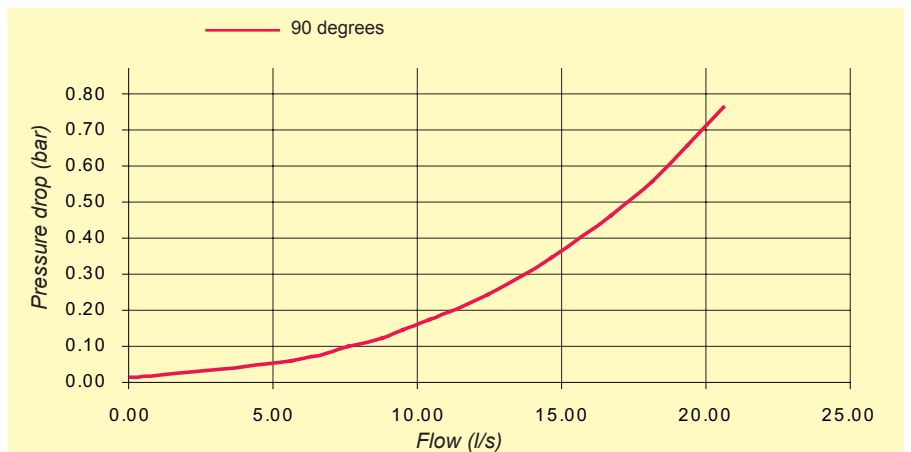
<sup>a</sup> The pressure drop will be 0.2 bar at an inlet pressure of 6 bar.

### FLOW CHART

#### MultiFlex 1/2" or 3/8"

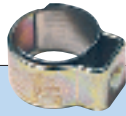


#### MultiFlex 1/8" or 1/4"



# Fittings

## Simple pressure clamps for PVC HOSES



For CABLAIR	For PVC	One-lugged steel clamp mm	Ordering No.
-	-	5.2- 6.2	0347 0122 18
-	-	5.9- 7.0	0347 0122 19
-	03	7.0- 8.5	0347 0122 05
06	05	8.5-10.0	0347 0122 06
08	06	9.8-11.8	0347 0122 07
-	08	11.3-13.3	0347 0122 08
10	-	12.8-14.8	0347 0122 09
-	10	14.6-16.8	0347 0122 10
13	-	16.5-18.8	0347 0122 11
-	13	18.0-20.3	0347 0122 12
16	-	20.2-22.8	0347 0122 13
-	-	22.0-24.8	0347 0122 14
20	-	23.3-26.3	0347 0122 15
-	-	26.5-30.0	0347 0122 16
25	-	29.8-33.1	0347 0122 22

## Hose connection Male thread – hose nipple



Thread in	Hose size		Ordering No.
	mm	in	
1/8 BSP	3.2	1/8	9000 0523 00
1/8 BSPT	5	3/16	4010 0031 00
1/8 BSPT	6.3	1/4	9000 0240 00
1/4 BSP	3.2	1/8	9000 0524 00
1/4 BSPT	6.3	1/4	9000 0241 00
1/4 BSPT	8	5/16	9090 1715 00
1/4 BSPT	10	3/8	9000 0247 00
3/8 BSPT	10	3/8	9000 0242 00
3/8 BSPT	12.5	1/2	9000 0248 00
1/2 BSPT	12.5	1/2	9000 0243 00
1/2 BSPT	16	5/8	9000 0244 00
1/2 BSPT	20	3/4	4150 0429 00
3/4 BSPT	20	3/4	9000 0245 00
1 BSPT	25	1	9000 0246 00

## Medium pressure clamps for PVC HOSES



For CABLAIR	For PVC, POLUR	Medium clamp worm drive mm	Ordering No.
-	-	8.0-14.0	0347 6102 00
-	08	11.0-17.0	0347 6103 00
-	10	11.0-17.0	0347 6103 00
-	-	13.0-20.0	0347 6104 00
16	13	15.0-24.0	0347 6105 00
20	16	19.0-28.0	0347 6106 00
-	20	22.0-32.0	0347 6107 00
25	25	26.0-38.0	0347 6109 00
-	-	32.0-44.0	0347 6111 00
-	-	38.0-50.0	0347 6112 00
-	-	50.0-65.0	0347 6113 00

## Gaskets



For couplings with male parallel thread	Fiber gasket between material and nipple Ordering No.
M5	0657 5710 00
1/8" BSP	0657 5742 00
1/4" BSP	0657 5764 00
3/8" BSP	0657 5785 00
1/2" BSP	0653 0500 01
3/4" BSP	0657 5823 00
1" BSP	0657 5830 00

## Medium pressure clamps for RUBBER HOSES



For TURBO	For RUBAIR	Medium clamp worm drive mm	Ordering No.
-	06	11.0-17.0	0347 6103 00
13	10	13.0-20.0	0347 6104 00
16	13	15.0-24.0	0347 6105 00
-	16	19.0-28.0	0347 6106 00
20	-	22.0-32.0	0347 6107 00
-	20	26.0-38.0	0347 6109 00

## Reducing nipple in brass



Female thread in	Male thread in	Ordering No.
1/4 BSP	1/8 BSP	9721 4000 94
3/8 BSP	1/4 BSP	9721 4000 92
1/2 BSP	3/8 BSP	9721 4000 93

## Heavy-duty pressure clamps for RUBBER HOSES



For TURBO	For RUBAIR	Heavy-duty clamp mm	Ordering No.
-	-	22.0-25.0	9000 0194 00
20	16	25.0-28.0	9000 0195 00
-	20	29.0-32.0	9000 0196 00
-	25	34.0-38.0	9000 0197 00

## Swivels



Air inlet	Air outlet Male BSP	Max Swivel bend from centre line	Ordering No.
5/16" hose	1/4	30°	4210 3134 80

Recommended flow max 10 l/s

## Bushing

Male thread – female thread



Male thread in	Female thread in	Ordering No.
1/4 BSP	1/8 BSP	9090 0799 00
3/8 BSP	1/4 BSP	9090 0798 00
1/2 BSP	1/4 BSP	9090 1469 00
1/2 BSP	3/8 BSP	9090 0797 00
3/4 BSP	1/2 BSP	9090 0796 00
1 BSPT	3/4 BSP	9090 0795 00

## Double connection

Male taper thread – male taper thread



From thread in	To thread in	Ordering No.
1/8 BSPT	1/8 BSPT	9090 0100 00
1/8 BSPT	1/4 BSPT	9090 0110 00
1/4 BSPT	1/4 BSPT	9090 0120 00
1/4 BSPT	3/8 BSPT	9090 0130 00
3/8 BSPT	3/8 BSPT	9090 0140 00
3/8 BSPT	1/2 BSPT	9090 0150 00
1/2 BSPT	1/2 BSPT	9090 0160 00
1/2 BSPT	3/4 BSPT	9090 0170 00
3/4 BSPT	3/4 BSPT	9090 0180 00
3/4 BSPT	1 BSPT	9090 0190 00
1 BSPT	1 BSPT	9090 0200 00

## Double adjustable connection

Male thread – male thread



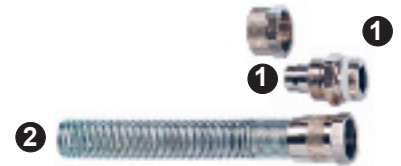
From thread in	To thread in	Ordering No.
1/2 BSP	1/2 BSP	9090 0806 00

## Sealing rings for double adjustable connection



For coupling with male thread in	Spare rubber sealing ring for adjustable connections Ordering No.
1/2 BSP	9090 0884 00
1 BSP	9090 0886 00

## Hose connection with clamp nut and spring guard



### 1 Clamp nut, brass

Hose diameter Outside/Inside mm	Male thread in	Ordering No.
10/8 <sup>a</sup>	1/4 BSP	9721 4002 89
10/8 <sup>a</sup>	3/8 BSP	9721 4002 90
12/9	1/4 BSP	9721 4000 86
12/10 <sup>b</sup>	3/8 BSP	9721 4000 88
15/12.5 <sup>c</sup>	1/2 BSP	9721 4000 89

Male threaded hose nipple with clamp nut should be used with female threaded quick couplings.

### 2 Spring guard in steel

Hose diameter Outside/Inside mm	Ordering No.
10/8 <sup>a</sup>	9721 4002 88
12/10 <sup>b</sup>	9721 4000 91
15/12 <sup>c</sup>	9721 4002 85

The spring guard should be used with the clamp nut above.

<sup>a</sup>CABLAIR 08

<sup>b</sup>CABLAIR 10

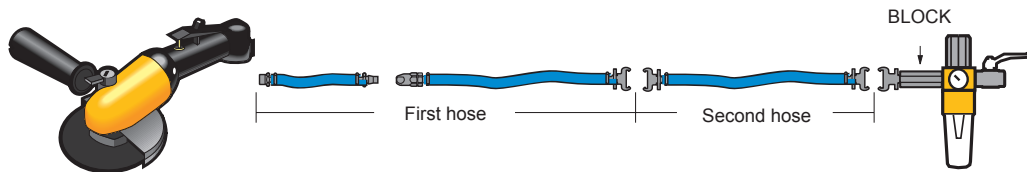
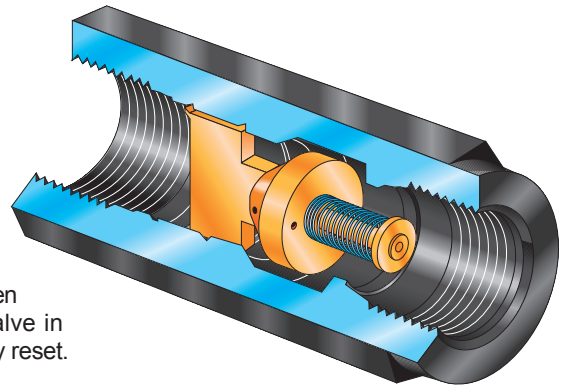
<sup>c</sup>CABLAIR 13

When a fitting comes loose from a pressurized hose, the hose starts blowing compressed air in an uncontrolled way. The blow protector shuts off the airflow and thus minimizing the risk of injuries to personnel and damage to the workpiece or the surroundings.

The selection parameters are the air pressure and the air flow. For proper function the air pressure should be set at 7 bar in order to reach 6 bar at the air tool. The air flow is determined by the air consumption of the tool and the hose length.

When working with impact wrenches and pulse tools care must be taken in the choice of blow protector. The value of air flow under full load must be increased by 50% when selecting a blow protector for impact wrenches and pulse tools as there will otherwise be a risk of shut-off when free running.

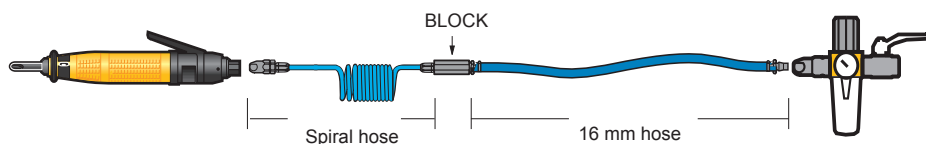
BLOCK has automatic reset. When the air is switched on again the valve in BLOCK opens and is automatically reset.



### Selection table using standard hoses

The air flow, hose length and hose sizes must all be within the recommended range in order to choose the correct blow protector. The second hose is only used when hoses longer than 20 m are used. The second hose will always be 20 m and the first hose will be cut to the right length.

Air flow air tool l/s	First hose		Second hose		Shut off air flow l/s	Product	Female thread BSP in	Ordering No.
	length m	size mm	length m	size mm				
0- 5	1- 5	6.3	0	–	7.8	BLOCK 08L	1/4	8202 0100 50
0- 5	6-10	8	0	–	13	BLOCK 08H	1/4	8202 0100 52
0- 8	1- 5	8	0	–	13	BLOCK 08H	1/4	8202 0100 52
0- 8	6-10	10	0	–	13	BLOCK 08H	1/4	8202 0100 52
0-10	1-10	10	0	–	13	BLOCK 08H	1/4	8202 0100 52
0-10	11-20	12.5	0	–	13	BLOCK 08H	1/4	8202 0100 52
0-14	1- 5	10	0	–	18	BLOCK 10L	3/8	8202 0100 54
0-14	6-10	13	0	–	18	BLOCK 10L	3/8	8202 0100 54
0-15	11-20	16	0	–	32	BLOCK 10H	3/8	8202 0100 56
0-25	1- 5	12.5	0	–	32	BLOCK 10H	3/8	8202 0100 56
0-25	6-10	16	0	–	32	BLOCK 10H	3/8	8202 0100 56
0-35	1- 5	12.5	0	–	45	BLOCK 15H	1/2	8202 0100 58
0-35	6-10	16	0	–	45	BLOCK 15H	1/2	8202 0100 58
0-35	11-20	19	0	–	45	BLOCK 15H	1/2	8202 0100 58
0-60	1-10	19	0	–	75	BLOCK 20H	3/4	8202 0100 60
0-60	1-10	19	20	25	75	BLOCK 20H	3/4	8202 0100 60
0-70	1- 7	19	0	25	86	BLOCK 25H	1	8202 0100 62
0-70	8-20	25	0	25	86	BLOCK 25H	1	8202 0100 62
0-70	1-20	25	20	25	86	BLOCK 25H	1	8202 0100 62



### Selection table when using spiral hoses and hose balancers

The airflow, spiral hose and hose balancer must all be within recommended range in order to choose the correct BLOCK blow protector.

The second hose, only used when needed, is a 16 mm normal hose with a maximum length of 5 meter. The second hose should be placed between the BLOCK and the FRI unit.

Air flow air tool l/s	Model	Spiral hose or balancer		Shut off air flow l/s	Product	Female thread BSP in	Ordering No.
		Hose length m	Hose size mm				
0- 4	SPI 06-3	2.5	6	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	HRIL 3	1.4	–	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	SPI 1S	2.0	6	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	SPI 2L	6.0	8	8.3	BLOCK 08L	1/4	8202 0100 50
0- 8	HRIL 4	1.1	–	14	BLOCK 08H	1/4	8202 0100 52
0- 8	SPI 09-3	2.5	9	14	BLOCK 08H	1/4	8202 0100 52
0- 8	SPI 2M	4.0	8	14	BLOCK 08H	1/4	8202 0100 52
0-11	SPI 2S	3.0	8	14	BLOCK 08H	1/4	8202 0100 52
0-11	SPI 2L	6.0	11	14	BLOCK 08H	1/4	8202 0100 52
0-15	SPI 3M	4.0	11	19	BLOCK 10L	3/8	8202 0100 54
0-20	SPI 3S	3.0	11	32	BLOCK 10H	3/8	8202 0100 56



## CABLAIR hoses

### Super-light flexible PVC-hose

Cablaire is made of high-strength, high performance PVC compound. The Cablaire hose weighs 30-50% less and is much softer and more flexible than conventional PVC hoses. This ensures complete freedom of movement for operators of pneumatic hand tools in any working environment.

- Low weight.
- Extremely soft and flexible.
- Silicone free.
- Ergonomic.
- Working temperature -25°C to +60°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 30 m coil kg	Ordering No.
	mm	in					
CABLAIR 06	6.3	1/4	9	18	4	1.2	9093 0035 11
CABLAIR 08	8	5/16	10.5	18	7.5	1.7	9093 0035 41
CABLAIR 10	10	3/8	13	14	13	2.1	9093 0035 71
CABLAIR 13	12.5	1/2	16.5	13	21	3.0	9093 0036 01
CABLAIR 16	16	5/8	21	11	43	5.4	9093 0036 31
CABLAIR 20	19	3/4	24	11	75	5.8	9093 0036 61
CABLAIR 25	25	1	31	10	125	10.4	9093 0036 91

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m.

## CABLAIR ESD

### Extra flexible antistatic air hose

Cablaire ESD is an extra flexible antistatic air hose designed specifically for use within the computer manufacturing industry. The hose possesses properties which enable ESDS (electrostatic sensitive devices) to be handled in a protected area with a low risk level, as a result of electrostatic discharge. In addition to a known demand in the computer industry, it is expected that potential exists in the electronics, radio and communication fields. The connection device must be earthed/grounded.

- Extra flexible.
- Antistatic.
- Silicone free.
- Testing in accordance with BS2050:1978 (1998) 4.12.
- Working temperature -15°C to +60°C.



Model	Hose inside dia		Hose outside dia		Max working pressure <sup>a</sup> bar	Max rec. air flow l/s	Weight per 30 m coil kg	Ordering No.
	mm	in	mm	in				
CABLAIR ESD 06	6	1/4	11	7/16	10	4	2.34	8202 0501 06
CABLAIR ESD 08	8	5/16	12	1/2	9	7.5	2.56	8202 0501 08
CABLAIR ESD 10	10	3/8	14	9/16	8	13	2.71	8202 0501 10
CABLAIR ESD 13	13	1/2	18	23/32	7	21	4.41	8202 0501 13

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).



## PVC hoses

### Strong PVC hose for heavy-duty applications

The PVC hose has high resistance to abrasion, which makes it the ideal hose for tough working environments such as workshops, factories, garages, etc. It is mainly recommended for indoor use.

- Long service life.
- Pliable.
- Transparent.
- Working temperature -25°C to +60°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 30 m coil kg	Ordering No.
	mm	in					
PVC 03	3.2	1/8	7	20	0.7	1.4	9093 0037 21
PVC 05 <sup>c</sup>	5	3/16	9	18	2.1	1.9	9093 0037 51
PVC 06 <sup>d</sup>	6.3	1/4	11	18	4	2.5	9093 0037 81
PVC 08	8	5/16	12	18	7.5	2.9	9093 0038 11
PVC 10 <sup>e</sup>	10	3/8	14	14	13	3.7	9093 0038 41
PVC 13	12.5	1/2	18	13	21	5.9	9093 0038 71
PVC 16	16	5/8	22	12	43	7.2	9093 0039 01
PVC 20	19	3/4	25	12	75	8.3	9093 0039 31
PVC 25	25	1	32	11	125	12.5	9093 0039 61

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m.

## POLUR

### High resistant polyurethane hose

The Polur hose is the most environmentally friendly solution. It has high resistance to abrasion and it is oil resistant. The Polur hose has a much longer life-time than PVC hoses. The Polur is ideal in tough working conditions such as workshops, factories, garages, shipyards and construction sites due to its flexibility, even at minus degrees. Polur is recommended for indoor and outdoor use.

- Oil resistant.
- Flexible.
- Long service life.
- Working temperature -30°C to +80°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 25 m coil kg	Ordering No.
	mm	in					
POLUR 08	8	5/16	12	20	7.5	2.2	8202 0601 08
POLUR 10	10	3/8	14	16	13	2.5	8202 0602 10
POLUR 13	13	1/2	18	13	21	4.0	8202 0603 13

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

## TURBO

### Super-light flexible rubber hose

The Turbo hose has been developed for flexible use both indoor and outdoor. The hose weighs 30-40% less than conventional rubber hoses, making it ideal for foundries, shipyards, engineering workshops and construction sites. The Turbo hose is oil resistant.

- Extremely low weight.
- Soft and flexible.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -40°C to +90°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 20 m coil kg	Ordering No.
	mm	in					
TURBO 13	12.5	1/2	18.6	16	21	3.9	9093 0057 91
TURBO 16	16.5	5/8	22.5	16	43	4.8	9093 0057 31
TURBO 20	20.1	3/4	26.1	16	75	5.4	9093 0057 61

<sup>a</sup> With a safety factor of 4 at 20°C.

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

## RUBAIR

### Durable reinforced heavy duty rubber hose

The Rubair hose is double reinforced to fulfil all general heavy duty demands and is recommended for indoor and outdoor use. The Rubair hose is oil resistant.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -40°C to +90°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 20 m coil kg	Ordering No.
	mm	in					
RUBAIR 06	6.3	1/4	11.3	16	4	2.0	8202 0401 06
RUBAIR 10	10	3/8	16.0	16	13	3.6	8202 0402 10
RUBAIR 13	12.5	1/2	19.1	16	21	4.7	8202 0403 13
RUBAIR 16	16	5/8	23.0	16	43	6.1	8202 0404 16
RUBAIR 20	20	3/4	26.6	16	75	7.8	8202 0405 20
RUBAIR 25	25	1	34.0	16	125	11.8	8202 0406 25

<sup>a</sup> With a safety factor of 5 at 20°C.

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

## SPI

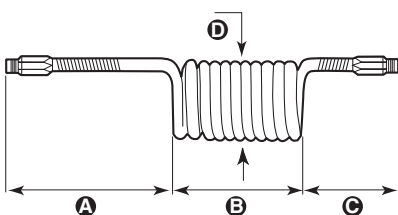
### Elastic hose for vertical and horizontal applications

The SPI elastic spiral hose is ideal for air tools used at varying distances from a fixed air outlet. It is easily stretched and retracts immediately when released. When used with hand tools, its self-storage principle ensures that the hose is kept off the floor and out of the way of the operator. The SPI 1 and SPI 2 have ball bearing swivels fitted on the long hose side to allow 360° rotation. All spiral hoses, except the SPI4, are fitted with plastic spring guard. The SPI is the ideal hose in combination with a balancer.

- Self-retractable.
- Light and flexible.
- Strong and durable.
- Tubing material: Polyurethane (100% PUR).
- Hardness: Shore A 98 +2.
- Colour: Blue.
- Working pressure: 8 bar at 23°C.
- Burst pressure: 25 bar at 23°C.
- Temperature range: -40°C to +70°C.



## Dimensions



Model	Hose inside dia mm	Hose outside dia mm	Max. rec. air flow <sup>a</sup> l/s	Working range m	Length			Max spiral dia (D) mm	Male threads in BSP	Ordering No.
					(A) mm	(B) mm	(C) mm			
SPI 1SPSW-S	6.5	10	7	2	500	165	150	55	1/4	8202 0508 71
SPI 1SPSW-M	6.5	10	5	4	500	330	150	55	1/4	8202 0508 73
SPI 2SPSW-S	8	12	13	2	500	130	150	70	3/8	8202 0508 75
SPI 2SPSW-M	8	12	10	4	500	270	150	70	3/8	8202 0508 77
SPI 2SPSW-L	8	12	9	6	500	435	150	70	3/8	8202 0508 79
SPI 2SPSW-XL	8	12	6	8	500	600	150	70	3/8	8202 0508 81
SPI 3SP-S	11	16	25	2	500	185	150	98	3/8	8202 0508 82
SPI 3SP-M	11	16	22	4	500	250	150	98	3/8	8202 0508 84
SPI 3SP-L	11	16	17	6	500	390	150	98	3/8	8202 0508 86
SPI 3SP-XL	11	16	13	8	500	550	150	98	3/8	8202 0508 88
SPI 4SP-XXL	13	19	25	10	500	850	500	115	3/8	8202 0508 90

<sup>a</sup> At inlet pressure 6 bar and pressure drop 0.5 bar.

Productivity kits boost productivity, extend tool lifetime and ensure minimum pressure drop.

Each productivity kit includes ball valve, air preparation unit, and the couplings, hose and nipples needed for correct and safe installation of the tool.

Just choose the correct productivity kit based on the air flow requirement of the tool and whether the tool needs lubrication or not. You'll be surprised how much the productivity kit improves the performance of the tool.

- Improves the performance of the tool.
- Fast and easy installation.
- Extends tool lifetime.



Model	Max air flow	Hose	Coupling	Lubrication	Ordering No.
<b>For small screwdrivers and small drills with 1/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C06-1/8	6 l/s	Cablair 6 mm	ErgoQIC 08	Yes	8202 0850 10
MIDI Optimizer F/R EQ08-C06-1/8	6 l/s	Cablair 6 mm	ErgoQIC 08	No	8202 0850 19
<b>For small screwdrivers and small drills with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C06	6 l/s	Cablair 6 mm	ErgoQIC 08	Yes	8202 0850 06
<b>For screwdrivers, small impacts and drills with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablair 8 mm	ErgoQIC 08	Yes	8202 0850 00
MIDI Optimizer F/R EQ08-C08	9 l/s	Cablair 8 mm	ErgoQIC 08	No	8202 0850 01
<b>For 1/2" impacts wrenches, pulse tools, drills and small nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablair 10 mm	ErgoQIC 08	Yes	8202 0850 07
<b>For 1/2" impacts wrenches, pulse tools and small nutrunners with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablair 10 mm	ErgoQIC 08	Yes	8202 0850 03
MIDI Optimizer F/RD EQ10-R10	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 16
<b>For percussive tools and grinders with 3/8" BSP air inlet incl. whipose</b>					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
<b>For percussive tools and grinders incl whipose, no tool nipple included</b>					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
<b>For impacts wrenches, pulse tools, drills and nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablair 13 mm	ErgoQIC 10	Yes	8202 0850 02
<b>For impacts, pulse tools, drills and nutrunners with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-C13-1/4	23 l/s	Cablair 13 mm	ErgoQIC 10	Yes	8202 0850 11
<b>For grinders, impacts and nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
<b>For grinders, impacts and nutrunners with 1/2" BSP air inlet</b>					
MIDI Optimizer F/R EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
<b>For grinders with 1/2" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-T16	40 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12
<b>For large Turbo grinders with 1/2" BSP air inlet</b>					
MAXI F/R C-T16	60 l/s	Turbo 16 mm	Claw	No	8202 0850 05
<b>For large Turbo grinders with 1/2" BSP air inlet</b>					
MAXI F/RD C-T20	65 l/s	Turbo 20 mm	Claw	No	8202 0850 20

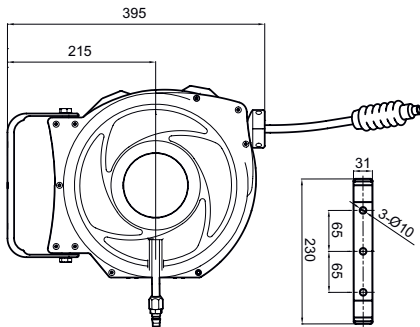


## HM LIGHT

The HM Light has a composite casing and a highly wear and oil resistant PUR hose. The HM Light hose reel is recommended for small screwdrivers and small pulse tools.

- Revolving hinge for flexible use.
- Light and compact.
- Kink resistant PUR-hose.
- Working temperature: -30°C - +60°C.
- Max working pressure is 20 bar.
- Inlet hose length: 0.9 m.

## Dimensions



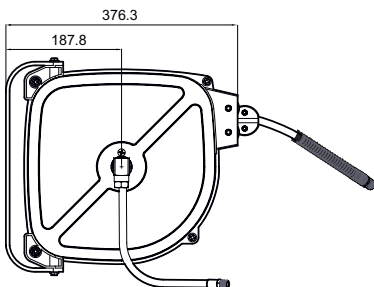
Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP		Air flow l/s	Weight kg	Ordering No.
			mm	in		male	male			
HM LIGHT	8	PUR	8	5/16	1/4"	1/4"	10	4.5	8202 1180 92	
HM LIGHT	10	PUR	8	5/16	1/4"	1/4"	9	4.5	8202 1180 91	

## HM FLEX

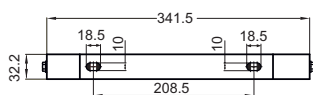
The HM FLEX has a high quality, compact steel casing and is recommended for small and medium screwdrivers, small and medium pulse tools, small drills, impact wrenches up to 1/2" size, small grinders and riveting and chipping hammers.

- HM FLEX Grinding with spatter resistant rubber hose.
- Revolving hinge for flexible use.
- Strong and durable.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- Inlet hose length: 1.5 m.

## Dimensions



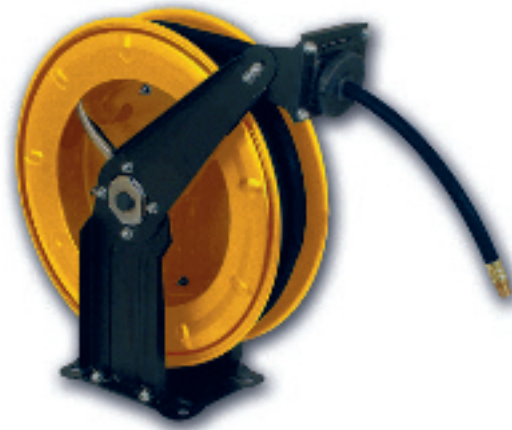
Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP		Air flow l/s	Weight kg	Ordering No.
			mm	in		male	male			
HM FLEX Grinding	8	Rubber	8	5/16	1/4"	1/4"	9	8.5	8202 1181 02	
HM FLEX	10	PUR	10	3/8"	1/4"	1/4"	14	8.5	8202 1181 00	



## HM OPEN FLEX

Hose reels in the HM Open Flex series have an open steel casing and 10 mm or 13 mm hose. HM Open Flex hose reels are recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and grinders up to 1000 W.

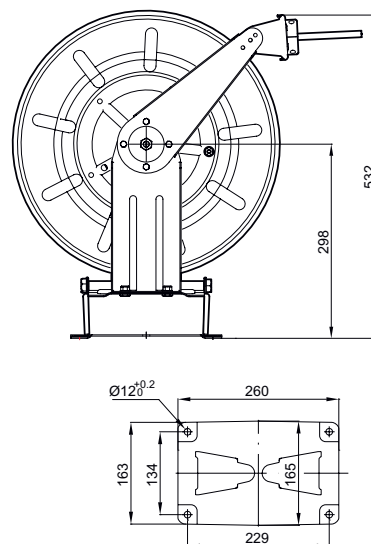
- Kink resistant PUR hose or spatter resistant rubber hose.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- Inlet hose length: 1.5 m.



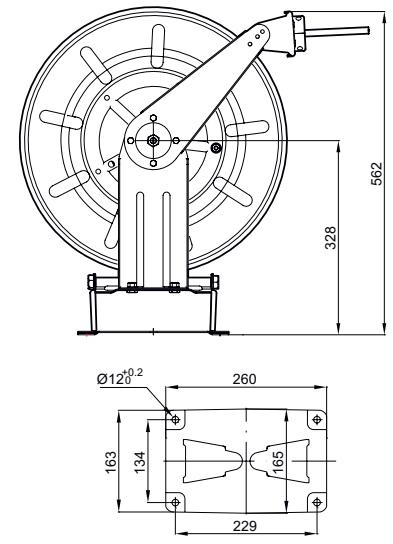
Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP male		Air flow l/s	Weight kg	Ordering No.
			mm	in						
HM OPEN FLEX	10	PUR	10	3/8	1/4	1/4	12	10.5	8202 1181 12	
HM OPEN FLEX	15	PUR	10	3/8	1/4	1/4	8	11	8202 1181 10	
HM OPEN FLEX	15	Rubber	10	3/8	1/4	1/4	8	11	8202 1181 09	
HM OPEN FLEX L	10	PUR	13	1/2	1/2	1/2	16	13	8202 1181 22	
HM OPEN FLEX L	15	PUR	13	1/2	1/2	1/2	14	14	8202 1181 20	
HM OPEN FLEX L	15	Rubber	13	1/2	1/2	1/2	14	14	8202 1181 14	

## Dimensions

### HM OPEN FLEX



### HM OPEN FLEX L





# Hose reels

# HM Flex L, HM Turbo, HM XL

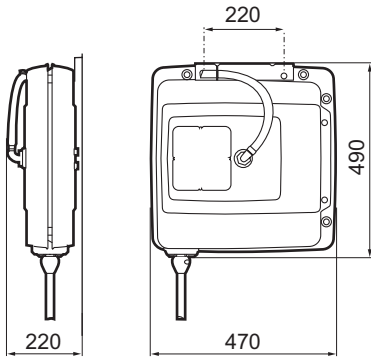
## HM FLEX L

The HM FLEX L, with a steel casing and high quality rubber hose, handles both air and water. The HM FLEX L is recommended for all screwdrivers, pulse tools, impact wrenches, drills, chipping and riveting hammers and grinders up to 1000 W.

- NBR rubber hose.
- Movable brackets for floor, wall and ceiling mounting.
- High flow capacity.
- Working temperature: -30°C - +60°C.
- Max working pressure is 15 bar.
- Inlet hose length: 1 m



## Dimensions



Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP		Air flow l/s	Weight kg	Ordering No.
			mm	in		male	male			
HM FLEX L	10	Rubber	12.5	1/2"	1/2"	1/2"	22	16	8202 1181 56	

## HM TURBO and HM XL

The HM Turbo and HM XL have an open steel casing with 20 mm Turbo hose or 25 mm rubber hose. The HM Turbo and HM XL are recommended for use with high powered grinders.

- Spatter resistant hoses.
- Extremely high flow capacity.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- No hose, inlet coupling on casing



## Dimensions

Model	L	H	W
HM TURBO	660	765	340

Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP		Air flow l/s	Weight kg	Ordering No.
			mm	in		male	male			
HM Turbo	20	TURBO	20	3/4"	3/4"	No thread	50	42	8202 1181 30	
HM XL	15	Rubber	25	1"	1"	No thread	60	42	8202 1181 33	

## Hose reel balancer – HRIL

Models in the HRIL range of 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.

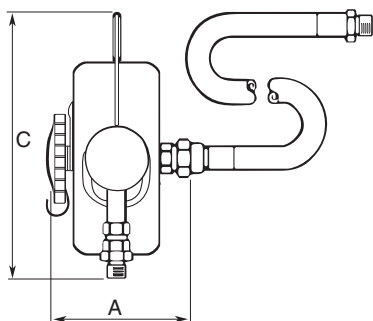
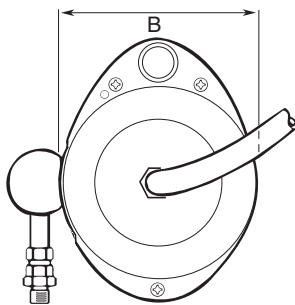
- Ergonomics – The retraction force over hose travel remains almost constant which minimizes load on the operator and ensures smooth operation.
- An easily adjusted rubber stop is fitted on the hose which allows the tool to be set at the optimum position.
- The retraction force is easily adjustable by means of a hand wheel on the rear casing (this can be removed if desired, once the retraction force is set).
- Long service life – The design features a rugged casing, self lubricating spindle bearing bushes and a 360 degrees rotary inlet connector.
- A durable hose is fitted with additional protection to prevent excessive bending around air connectors.
- Low pressure drop – The 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.

## Dimensions



### 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 – Optional

Designation	Ordering No.
Conversion kit for air inlet from below, - HRIL 3, HRIL 4	4390 1687 90
Safety chain	4391 4045 90

## COLIBRI – COL

Balancers in the unique COL range hold the load and keep it weightless throughout the entire cable length.

### Productivity

COL balancers always hold the tool in the correct position

### Ergonomic

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).

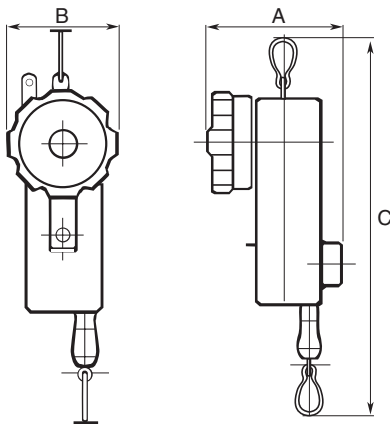
In all models the braking function can be activated upwards by using the "bow and arrow" principle if you need to slacken the cable to change the tool.

## COLIBRI S

The COL S models feature an extra safety brake mechanism (double braking system) for applications with extremely high safety requirements.



## 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
COL 2 03	1.7 - 3.5	3.7 - 7.7	2.4	2.3	5.1	155	116	427	8202 0750 27
COL 2 04	3.0 - 6.0	6.6 - 13.2	2.4	2.3	5.1	155	116	427	8202 0750 35
COL 2 05	4.7 - 7.0	10.4 - 15.4	2.4	2.5	5.5	155	116	427	8202 0750 43
COL 3 07	5.5 - 9.0	12.1 - 19.8	2.4	3.3	7.3	196	116	427	8202 0750 50
COL 3 10	8.0 - 13.0	17.6 - 28.7	2.4	3.4	7.5	196	116	427	8202 0750 68
COL 3 15	12.5 - 17.0	27.6 - 37.5	2.4	3.8	8.4	196	116	427	8202 0750 76
COL 4 18	14.0 - 22.0	30.9 - 48.5	2.4	13.2	29.1	244	193	620	8202 0774 11
COL 4 22	17.0 - 28.0	37.4 - 61.7	2.4	13.9	30.6	244	193	620	8202 0750 84
COL 4 30	24.0 - 38.0	52.9 - 83.8	2.4	14.5	32.0	244	193	620	8202 0750 92
COL 4 42	36.0 - 49.0	79.4 - 107.8	2.4	14.9	32.8	244	193	620	8202 0751 00
COL 4 50	43.0 - 55.0	98.4 - 121.3	2.4	15.3	33.7	244	193	620	8202 0751 18
<b>Safety brake</b>									
COL 2 03S	1.7 - 3.5	3.7 - 7.7	2.4	2.3	5.1	155	116	427	8202 0775 93
COL 2 04S	3.0 - 6.0	6.6 - 13.2	2.4	2.3	5.1	155	116	427	8202 0776 01
COL 2 05S	4.7 - 7.0	10.4 - 15.4	2.4	2.5	5.3	155	116	427	8202 0776 19
COL 3 07S	5.5 - 9.0	12.1 - 19.8	2.4	3.3	7.3	196	116	427	8202 0776 27
COL 3 10S	8.0 - 13.0	17.6 - 28.7	2.4	3.4	7.5	196	116	427	8202 0776 35
COL 3 15S	12.5 - 17.0	27.6 - 37.5	2.4	3.8	8.4	196	116	427	8202 0776 43

## Accessories – Optional

### Safety chain

	Ordering No.
COL 1	4391 4045 90
COL 2 and 3	4391 4046 90
COL 4	4391 4047 90

**RIL balancer**

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

**RIL Retractors**

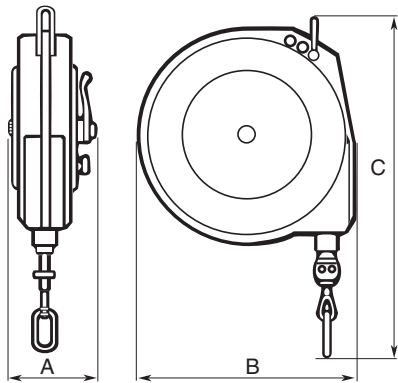
- Adjustable wire stop.
- High quality spring and construction.
- Load range 0 to 10 kg.

**RIL Weightless positioning**

- Adjustable wire stop.
- Automatic safety lock.
- Load range 5 to 107 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 5	0.4 - 2.3	0.9 - 5.1	2.4	2.0	4.4	70	157	308	8202 0703 09
RIL 5LR <sup>b</sup>	0.4 - 2.3	0.9 - 5.1	2.4	2.0	4.4	70	157	308	8202 0703 15
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
<b>Weightless positioning</b>									
RIL 20 <sup>a</sup>	5 - 9	15 - 20	1.8	7.2	15.9	178	203	495	8202 0707 05
RIL 30 <sup>a</sup>	9 - 14	20 - 31	1.8	7.2	15.9	178	203	495	8202 0708 04
RIL 40 <sup>a</sup>	13 - 18	29 - 40	1.8	7.2	15.9	178	203	495	8202 0709 03
RIL 50JA <sup>a</sup>	18 - 25	40 - 55	2.1	15	33	191	305	711	8202 0713 07
RIL 50A <sup>a</sup>	18 - 23	40 - 51	1.8	7.5	16.5	178	203	495	8202 0728 00
RIL 60JA <sup>a</sup>	24 - 29	53 - 64	2.1	15	33	191	305	711	8202 0714 06
RIL 60A <sup>a</sup>	23 - 30	51 - 57	1.8	7.5	16.5	178	203	495	8202 0729 09
RIL 70JA <sup>a</sup>	24 - 32	53 - 71	2.1	15	33	191	305	711	8202 0715 05
RIL 80JA <sup>a</sup>	31 - 39	68 - 86	2.1	15	33	191	305	711	8202 0716 04
RIL 90JA <sup>a</sup>	36 - 41	79 - 90	2.1	15	33	191	305	711	8202 0717 03
RIL 100JA <sup>a</sup>	40 - 45	88 - 99	2.1	15	33	191	305	711	8202 0718 02
RIL 110KA <sup>a</sup>	38 - 52	84 - 115	2.1	24	53	260	305	711	8202 0719 01
RIL 120KA <sup>a</sup>	52 - 57	115 - 126	2.1	24	53	260	305	711	8202 0720 08
RIL 130KA <sup>a</sup>	56 - 61	123 - 135	2.1	24	53	260	305	711	8202 0721 07
RIL 140KA <sup>a</sup>	61 - 66	135 - 146	2.1	24	53	260	305	711	8202 0722 06
RIL 150KA <sup>a</sup>	65 - 70	143 - 154	2.1	24	53	260	305	711	8202 0723 05
RIL 160KA <sup>a</sup>	70 - 75	153 - 165	2.1	24	53	260	305	711	8202 0724 04
RIL 170KA <sup>a</sup>	72 - 79	159 - 171	2.1	24	53	260	305	711	8202 0725 03
RIL 190KA <sup>a</sup>	79 - 88	174 - 194	2.1	24	53	260	305	711	8202 0726 02
RIL 200KA <sup>a</sup>	86 - 91	190 - 201	2.1	24	53	260	305	711	8202 0727 01
RIL 230LA <sup>a</sup>	95 - 107	209 - 236	2.1	37	82	359	292	711	8202 0731 05

**Accessories – Optional**

**Safety chain**

	Ordering No.
1C, 2C, 4C and 5C	4391 4045 90
10C <sup>a</sup> , 15C <sup>a</sup> and 22C <sup>a</sup>	4391 4156 00
5, 20, 30, 40	4391 4046 90
50A and 60A	4391 4047 90
JA, KA and LA	4390 1543 00

<sup>a</sup> Safety chain included.

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

<sup>b</sup> Contains a lock ratchet to lock the cable in increments along its entire length.

Atlas Copco blow guns are a hard-wearing, user-friendly solution for all cleaning applications. Their plastic bodies offer flexibility in handling for both right and left-handed users, insulate against cold and reduce the risk of scratches to work surfaces. Both blow guns have excellent throttling properties allowing easy regulation of the air flow.

### ErgoGUN B2602

The ErgoGUN B2602 is available with two different nozzles. ErgoGUN B2602 with star-tip nozzle with silencing effect and ErgoGUN B2602-HF for high flow demands.

- Ergonomic handle
- Lightweight design
- Exchangeable tubes
- High blowing force

### GUN

The Atlas Copco blow gun GUN is available in three different models. GUN F06A for high flow demands, GUN F06A-S with safety nozzle and GUN F06A-SS with a combined safety/silencer nozzle with silencing effect.

- Strong and durable
- Easily regulated flow
- Exchangeable nozzles



Model	Max working pressure bar	Max working temperature °C	Blow force N	Sound level at 6 bar dB(A)	Air flow l/s	Weight		Air inlet thread BSP	Ordering No.
						kg	lb		
GUN F06A-SS, safety/silencer nozzle	10	+50	2	82	3.8	0.16	0.35	1/4"	8202 1005 69
GUN F06A-S, safety nozzle	10	+50	4	90	7.0	0.15	0.33	1/4"	8202 1005 51
GUN F06A	10	+50	4	90	7.0	0.14	0.31	1/4"	8202 1005 28
ErgoGUN 2602, star-tip	16	+60	2.2	79	3.1	0.11	0.25	1/4"	8202 1006 10
ErgoGUN 2602-HF, high flow	16	+60	4.3	89	8.5	0.11	0.25	1/4"	8202 1006 11

## Accessories – Optional

### For GUN F06

	Ordering No.
Transparent guard	9090 1886 90
Holder for suspension	9090 1808 80
Hose nipple	9000 0241 00
Safety/Silencer nozzle	9090 1809 81
Safety nozzle	9090 1809 80



Transparent guard



Holder for suspension

### For ErgoGUN F06

	Ordering No.
<b>Extension tube</b>	
HF 300 mm, 6.3 l/s	8202 1006 30
HF 500 mm, 6.3 l/s	8202 1006 31



## 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.



## Air leakage detector

The air leakage detector is used to find leaks (e.g. in compressed air installations, vacuum installations, etc.) It works by "listening" on a frequency band normally containing no interference and non-audible for humans (>20kHz). Leaking compressed air or electrical flashover (sparks) generate, e.g. ultrasonic sound.

The equipment is delivered in a suitcase and consists of: Detecting device, headphone set and directional probe.

Ordering No. 8202 9002 00.





