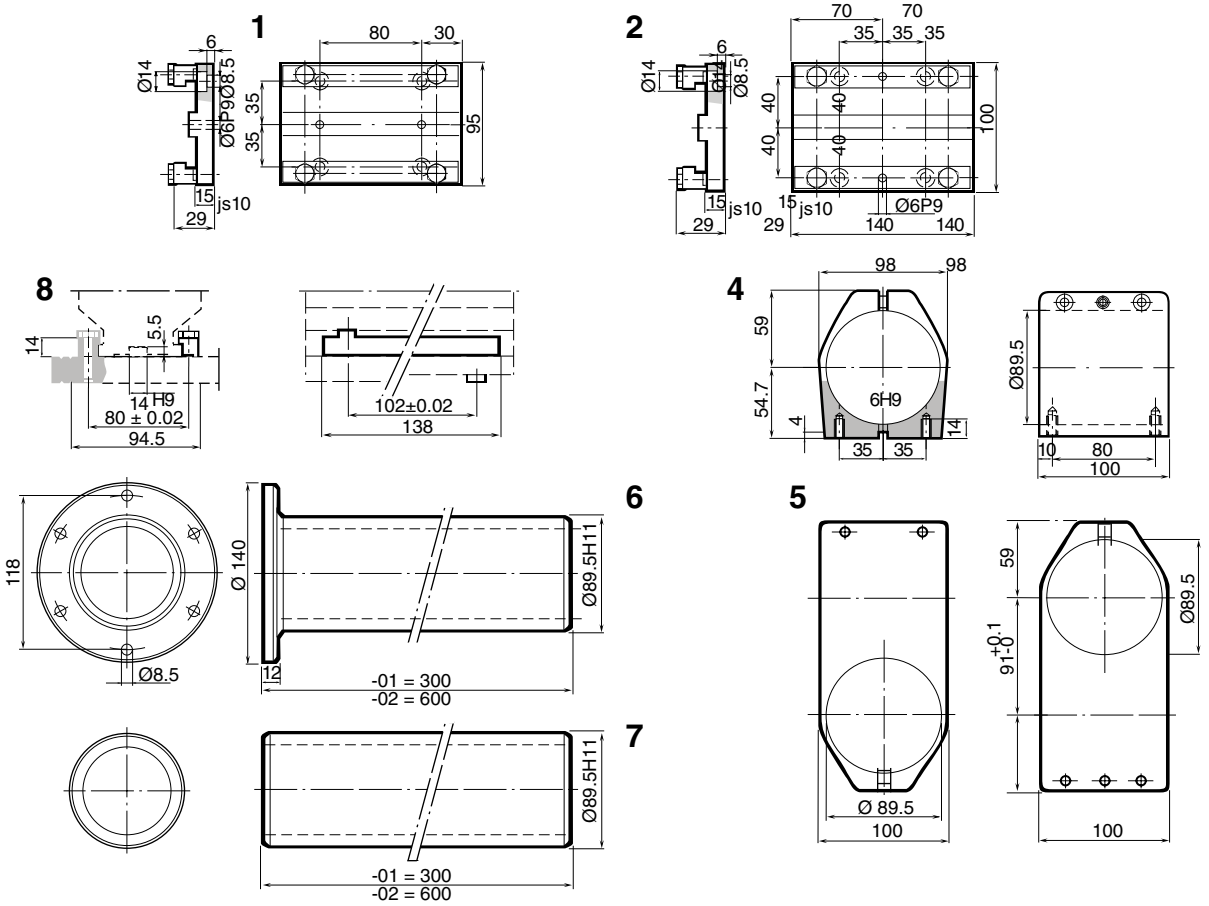
DIMENSION SKETCH – MOUNTINGS FOR LBL45E



AIR LINE ACCESSORIES

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Ensure that your tools achieve their full potential

To ensure that you benefit from the full potential power of your tools, Atlas Copco has developed a full range of air line accessories for use with Atlas Copco tools. 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[a] 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.

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

CLAW COUPLINGS

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

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

CLAMPS AND CONNECTIONS

- Avoid screwdrivers when tightening.

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

HOSES

When mounting hoses on hose connections, use water and soap in order to make the hose slip on to the connection.
Do not use oil. Water and soap will dry up. Remove leaking hoses. A small leakage can quickly become a large hole.

BLOW GUNS

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

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

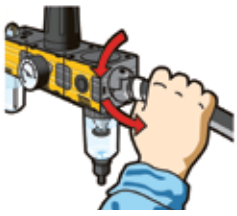
FOLLOW THIS ORDER WHEN WORKING WITH CLAW COUPLINGS.

How to open a claw coupling:

❶ Close the ball valve.

❷ Run the tool so the air ventilates out.

❸ Release the claw coupling.



❹ **How to close a claw coupling:**

Make sure that the two claw couplings are mounted together.

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

❺ Open the ball valve gently.

Get maximum productivity from your tools

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 ensures 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

0ºC to +50ºC 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^3	Max oil capacity cm^3	Weight kg	Ordering No.
Filters								
MINI FIL 08K-B	12	30	Polycarbonate	Manual	12	-	0.1	9092 0000 01
Regulators								
MINI REG 08K	10	20	-	-	-	-	0.11	9092 0000 61
Lubricators								
MINI DIM 08K	9	23	Polycarbonate	-	-	35	0.09	9092 0000 91
Filter/regulator								
MINI F/R 08K	12	17	Polycarbonate	Manual	12	-	0.12	9092 0001 21
Filter/regulator+lubricator								
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.

Not to be used with pulse tools.

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

0ºC to +50ºC 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^3	Max oil capacity cm^3	Weight kg	Ordering No.
Filters								
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
Regulators								
MINI REG 08B	9	47.5	-	-	-	-	0.30	9093 0033 01
MINI REG 08P	8	47.5	-	-	-	-	0.30	9093 0000 31
Lubricators								
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
Filter/regulator								
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
Filter/regulator+lubricator								
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
Filter+regulator+lubricator								
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.

Not to be used with pulse tools.

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. EP-versions are adjusted for use with impulse tools.

WORKING TEMPERATURE

-40ºC to +60ºC at 10 bar
+2ºC to +60ºC 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
Outlet pressure, HP versions 0.5-16 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^3	Max oil capacity cm^3	Weight kg	Ordering No.
Filters								
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
Regulators								
MIDI Optimizer REG	-	97	-	-	-	-	0.35	9093 0021 05
MIDI Optimizer REG LP	-	97	-	-	-	-	0.35	9093 0021 06
MIDI Optimizer REG HP	-	97	-	-	-	-	0.35	9093 0021 30
Lubricators								
MIDI Optimizer DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 10
MIDI Optimizer DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 33
Filter/regulator								
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
MIDI Optimizer F/R M/S HP	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 31
MIDI Optimizer F/R HP A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 32
Filter/regulator+lubricator								
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
MIDI Optimizer F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 35
MIDI Optimizer F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 36
Filter+regulator+lubricator								
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.

EP	For pulse tools, lubricator adjusted for impulsing tools
A	Automatic
M/S	Manual/semi automatic
HP	High pressure regulator
LP	Lockable regulator

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 3/4" 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. EP-versions are adjusted for use with impulse tools.

WORKING TEMPERATURE

-40ºC to +60ºC at 10 bar
+2ºC to +60ºC 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
Outlet pressure, HP versions 0.5-16 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^3	Max oil capacity cm^3	Weight kg	Ordering No.
Filters								
MIDI Optimizer 3/4" FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 40
MIDI Optimizer 3/4" FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 41
Regulators								
MIDI Optimizer 3/4" REG	-	97	-	-	-	-	0.35	9093 0021 42
MIDI Optimizer 3/4" REG LP	-	97	-	-	-	-	0.35	9093 0021 43
MIDI Optimizer 3/4" REG HP	-	97	-	-	-	-	0.35	9093 0021 44
Lubricators								
MIDI Optimizer 3/4" DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 45
MIDI Optimizer 3/4" DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 54
Filter/regulator								
MIDI Optimizer 3/4" F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 46
MIDI Optimizer 3/4" F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 47
MIDI Optimizer 3/4" F/R M/S HP	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 48
MIDI Optimizer F/R 3/4" HP A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 49
Filter/regulator+lubricator								
MIDI Optimizer 3/4" F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 50
MIDI Optimizer 3/4" F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 55
MIDI Optimizer 3/4" F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 56
MIDI Optimizer 3/4" F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 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. The MIDI Optimizer F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

EP	For pulse tools, lubricator adjusted for impulsing tools
A	Automatic
M/S	Manual/semi automatic
HP	High pressure regulator
LP	Lockable regulator

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

-10ºC to +50ºC 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^3	Max oil capacity cm^3	Weight kg	Ordering No.
Filters								
MAXI FIL 25B-B	106	190 [a]	Metal	Semi/automatic	130	-	0.9	9093 0074 21
Regulators								
MAXI REG 25B	85	333	-	-	-	-	1.2	9093 0074 61
MAXI REG 25B-LP	85	333	-	-	-	-	1.2	9093 0074 81
Lubricators								
MAXI DIM 25B	87	295	Metal	-	-	500	0.8	9093 0075 21
Filter/regulator								
MAXI F/R 25B-B	84	316	Metal	Semi/automatic	130	-	1.5	9093 0075 51
Filter/regulator+lubricator								
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

[a] 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.

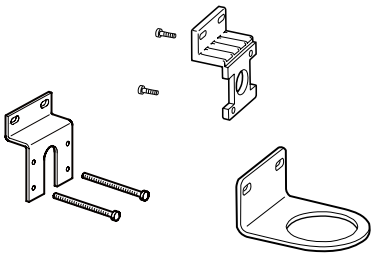
All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MAXI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

Optional Accessories

COMMON ACCESSORIES

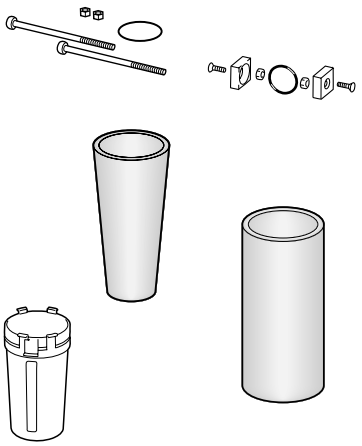
Designation	Ordering No. MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
Mounting bracket kit	9090 1902 00	9092 0063 01	9093 0022 01	9093 0076 15
Assembly kit	9090 1901 90	9092 0062 71	9093 0022 02	9093 0076 31

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)

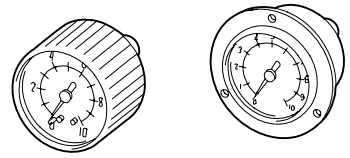
Designation	Ordering No. MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
Filter element				
30 µm	9090 1898 00	9092 0063 31	9093 0023 04	9093 0076 61
5 µm		9092 0063 61	9093 0023 05	9093 0076 71
Bowl guard		9092 0063 91		



REGULATOR (REG) ACCESSORIES

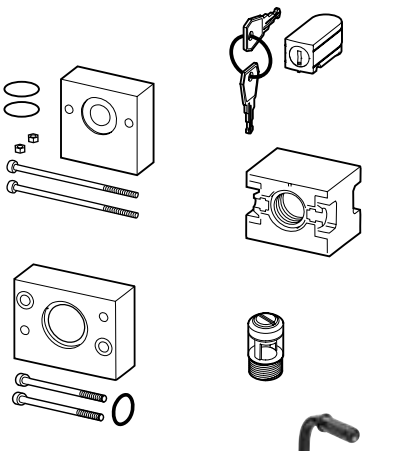
Designation	Ordering No. MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
Pressure gauge				
0-10 bar				
Ø 40 mm	9090 1907 00	9090 1907 00		
Ø 50 mm		9090 1172 00	9090 2052 00	
Metal housing			9090 2052 01	
0-16 bar				
Ø 49 mm			9090 0239 00	9090 0239 00
Ø 50 mm		9090 1657 00		
Panel mounting pressure gauge				
0-10 bar				
Ø 50 mm		9090 1173 00	9090 1173 00	
Key lock for regulator -LP		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

Designation	Ordering No. MINI-K	MINI-B	MIDI Optimizer MIDI 1/2"	MIDI Optimizer MIDI 3/4"	MAXI-B
Air distribution block kit	9090 1900 90	9092 0064 51	9093 0022 03	9093 0022 04	9093 0076 41
Bowl guard		9092 0063 91			
Glass sight dome		9090 1121 00			



FRL STAND

Designation	Ordering No.
Suits all models	9090 2101 00
FRL-stand [a]	9090 3030 02

[a] For impact wrenches and pulse tools up to 1/2" BSP air inlet and 32 l/s air flow requirements. Includes: large metal gauge up to 10 bar, ErgoQIC 10 coupling, 0.5 liter of optimizer oil, Turbo 13 hose with length 5 meters. The FRL-stand has BSP connection.

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. 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	-25ºC to +70ºC
Density at 15ºC	869 kg/m^3
Viscosity at 40ºC	22 mm^2/s
Pour point	-48ºC
Flash point COC	>170ºC

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

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^3). 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.

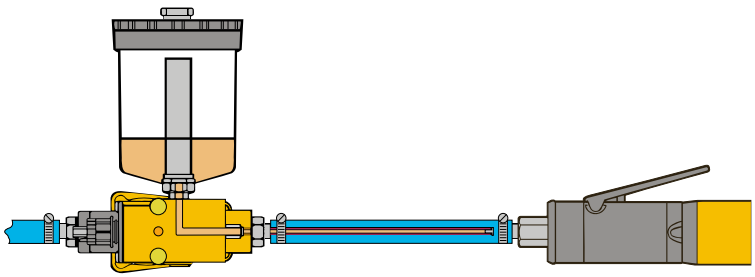
MULTIPLE-POINT LUBRICATOR DOSOL

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^3). 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

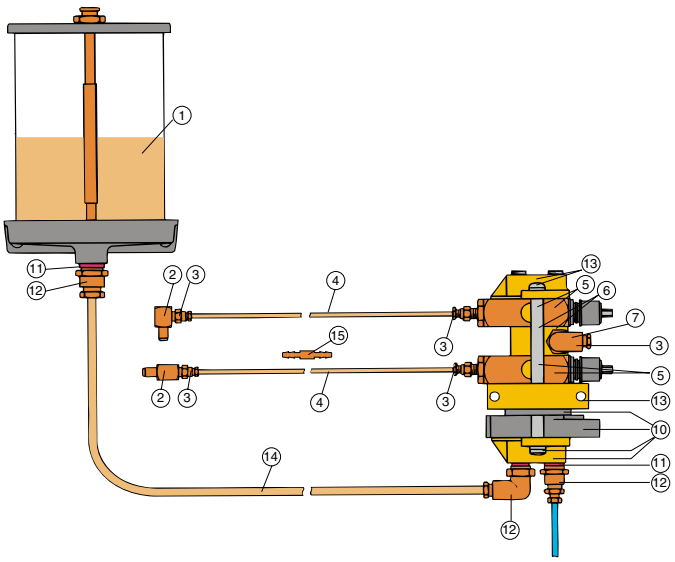
Model	Connection thread BSP in	Air flow l/s min	Air flow l/s max [a]	Working pressure bar min	Working pressure bar max	Temperature range °C min	Temperature range °C max	Ordering No.
DOS 15B-C [b]	1/2	2.3	45	3.2	10	–30°	+60°	8202 4201 73
DOS 15B-CR [c]	1/2	2.3	45	3.2	10	–30°	+60°	8202 4202 72
DOS 20B-C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

[a] At 6 bar and DP = 0.2 bar.
[b] With counter and 7.5 m oil-filled nylon tubing.
[c] With 0.3 l oil container counter and 7.5 m oil-filled nylon tubing.

Optional Accessories

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



FOR MULTI POINT LUBRICATOR DOSOL

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.

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	9090 1415 00
	0.95 l for wall mounting (1/4" BSP female)	9090 1416 00
	1.9 l for wall mounting (1/4" BSP female)	9090 1417 00
2	Check valve	
	1/8" BSPT 90° elbow male x 1/8" BSP female	9090 1427 00
	1/8" BSPT, straight male x 1/8" BSP female	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	9090 1418 00
	7.5 m, outer dia. 3.2 mm without oil	9090 1419 00
	100 m, outer dia. 3.2 mm with oil	9090 1420 00
5	JECT 01 kit[a]	8202 4203 10
6	Side-ported air block kit	9090 1424 00
7	Fiber packing for 1/8" BSP	0657 5742 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
16	Nylon tube outer diameter 5 mm (sold by the meter)	9030 0059 00

[a] With high temperature Viton seals 8202 4203 15.

Simply the best choice!

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.

THE RANGE

Atlas Copco offers a broad range of couplings, ErgoQIC 08/E/US, ErgoQIC 10/ASIA/US/AC, ErgoQIC 15E/US, QIC 08/S, QIC 10/S/E/SE/ASIA/US, QIC 15/S/SE/US 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/E/SE, ErgoQIC 08/E and ErgoQIC 10US is used, but for assembly tools and drills with higher air consumption than 20 l/s it is recommended that QIC 15/S/SE, ErgoQIC 10 or ErgoQIC 15US 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, QIC 10/S/E/SE and ErgoQIC 10US can be used.

Pocket coupling selector available,
Ordering No. 9833 1648 08

Selection Guide

Standard	**GLOBAL**		**EU standard**		**ISO 6150-B (former US)**			**EU**	**EU**	**ASIA**	**Tema**	
Type			**7.6 (7.4)**	**10.4**	**1/4"**	**3/8"**	**1/2"**				**1300**	**1800**
Market					**Benelux, France, US, Norway, Switzerland**			**Australia**		**Italy, SA**	**Nordic**	**Nordic**
Atlas Copco ErgoQIC	08	10	08E	15E	08US	10US	15US	10AC		10 ASIA		
Atlas Copco QIC			10E	15E	08	10US	15US	10	15	10 ASIA	10T	15T
Atlas Copco QIC Safety			10SE	15SE	08S			10S	15S			
CEJN			320	410	310	430	550			315	303	408
Oetiker			SC C		SC B1	SC E	SC H			SC D		
Tema			1600	1700	1400			1650	1750		1300	1800
Rectus			25/26	27	23/24	30	37	33	34	13	31	32
Prevost			ESC/ERC07		IRC/ISC06	IRC/ISC08	ISG 11			ORG		
Nitto Kohki										20/30/40		
Amflo					C20B	C26	C10					
Bosch			7.2									
Parker				55	30 / B23	25F	17					
Foster					3003	4404	5205					
Abnox			x									
Afnor NF 49053					x	x	x					
Camozzi			508/5180									
Dynaquip					1/4"	3/8"						
EWO			x									
Festo			KD									
Gromelle					600	900						
Hansen					22/3000	400/4000	500/5000					
Ingersoll Rand			7S7		A2/MS/102	A3/103/203	A4/104/204					
Kaeser			x									
Legris			25/26	27	23/24	30				13		
Tomco					180	4000	5000					

Atlas Copco Global standard

ERGOQIC 08

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.

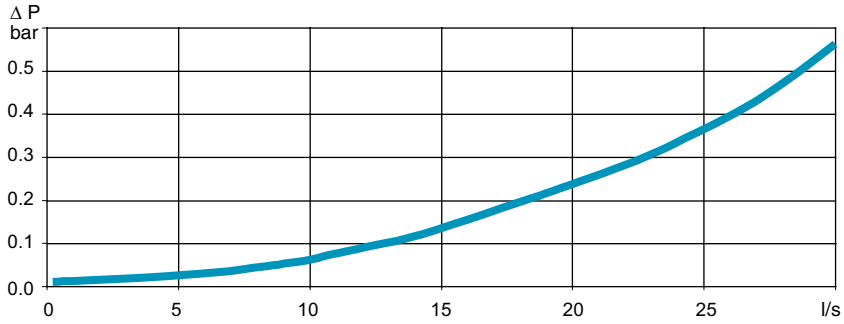
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.

Nipple profile

Technical Data

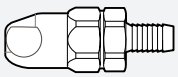
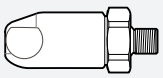
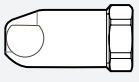
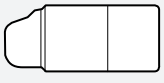
Max flow capacity	29 l/s (0.5 bar ΔP)
Economical air flow	18 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10ºC to +70ºC

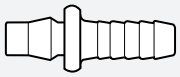
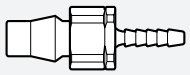
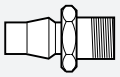
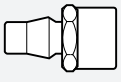
FLOW CHART. ERGOQIC 08 M15 AND ERGONIP 08 M10



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 08 AND ERGONIP 08, 18 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1110 04	6.3	1/4
	H08	8202 1110 12	8	5/16
	H10	8202 1110 38	10	3/8
	H13	8202 1110 40	12.5	1/2
M – Male 	M08	8202 1110 61	1/4 BSP	
	M10	8202 1110 79	3/8 BSP	
	M15	8202 1110 87	1/2 BSP	
F – Female 	F08	8202 1110 90	1/4 BSP	
	F10	8202 1110 95	3/8 BSP	
Protective cover 		9090 1940 00		

Connection type	Nipple ErgoNIP 08	Ordering No.	Size mm	Size in
H – Hose 	H05	8202 1210 33	5	3/16
	H06	8202 1210 37	6.3	1/4
	H08	8202 1210 45	8	5/16
	H10	8202 1210 52	10	3/8
	H13	8202 1210 54	12.5	1/2
SH – Safety Hose [a] 	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
M – Male 	M06	8202 1210 03	1/8 BSP	
	M08	8202 1210 11	1/4 BSP	
	M10	8202 1210 29	3/8 BSP	
	M15	8202 1210 31	1/2 BSP	
F – Female 	F08	8202 1210 60	1/4 BSP	
	F10	8202 1210 62	3/8 BSP	

[a] For joining hoses longer than 3 meters.

Atlas Copco Global standard

ERGOQIC 10

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.

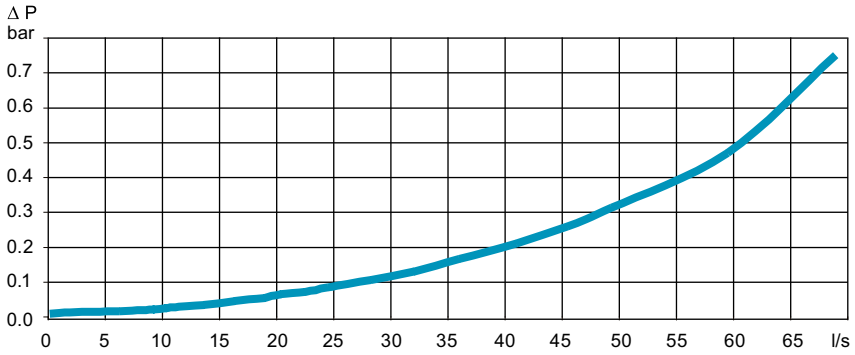
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.

Nipple profile

Technical Data

Max flow capacity	60 l/s (0.5 bar ΔP)
Economical air flow	40 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10ºC to +70ºC

FLOW CHART. ERGOQIC 10 M15 AND ERGONIP 10 M15



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 10 AND ERGONIP 10, 40 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1120 30	6.3	1/4
	H08	8202 1120 40	8	5/16
	H10	8202 1120 02	10	3/8
	H13	8202 1120 10	12.5	1/2
	H16	8202 1120 50	16	5/8
	H20	8202 1120 60	19	3/4
M – Male	M08	8202 1120 85	1/4 BSP	
	M10	8202 1120 93	3/8 BSP	
	M15	8202 1120 97	1/2 BSP	
	M20	8202 1120 98	3/4 BSP	
	M25	8202 1120 99	1 BSP	
F – Female	F08	8202 1121 00	1/4 BSP	
	F10	8202 1121 05	3/8 BSP	
	F15	8202 1121 10	1/2 BSP	
Protective cover		9090 1931 00		

Connection type	Nipple ErgoNIP 10	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1220 35	6.3	1/4
	H08	8202 1220 43	8	5/16
	H10	8202 1220 50	10	3/8
	H13	8202 1220 68	12.5	1/2
	H16	8202 1220 76	16	5/8
	H20	8202 1220 77	19	3/4
SH – Safety Hose [a]	SH06	8202 1220 37	6.3	1/4
	SH08	8202 1220 45	8	5/16
	SH10	8202 1220 52	10	3/8
	SH13	8202 1220 70	12.5	1/2
	SH16	8202 1220 74	16	5/8
	SH20	8202 1220 75	19	3/4
M – Male	M08	8202 1220 01	1/4 BSP	
	M10	8202 1220 19	3/8 BSP	
	M15	8202 1220 27	1/2 BSP	
F – Female	F08	8202 1220 84	1/4 BSP	
	F10	8202 1220 86	3/8 BSP	
	F15	8202 1220 88	1/2 BSP	

[a] For joining hoses longer than 3 meters.

Eurostandard 7.6 (7.4)

ERGOQIC 08E

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.

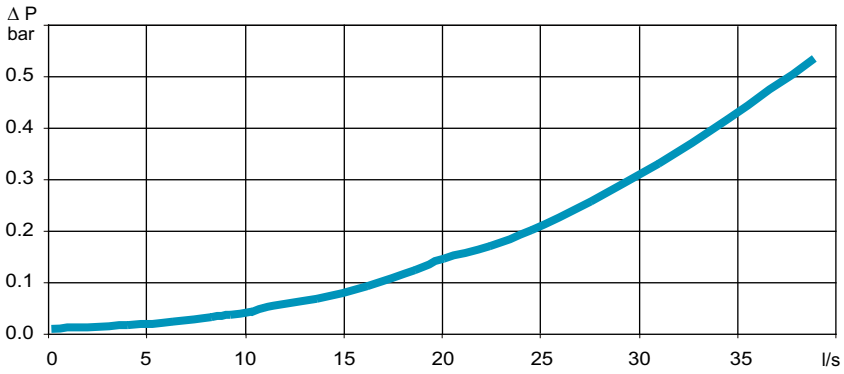
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

Nipple profile

Technical Data

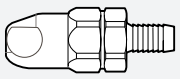
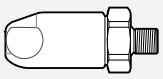
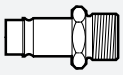
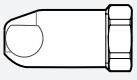
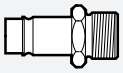
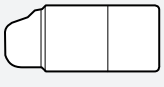
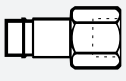
Max flow capacity	38 l/s (0.5 bar ΔP)
Economical air flow	24 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10ºC to +70ºC

FLOW CHART. ERGOQIC 08E AND NIP EU 7.6



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 08E AND NIP EU 7.6, 24 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08E	Ordering No.	Size mm	Size in	Connection type	Nipple NIP EU 7.6	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1106 00	6.3	1/4	**H** – Hose 	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
M – Male thread 	M08	8202 1106 04	1/4 BSP		**M** – Male thread 	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	
F – Female 	F08	8202 1106 07	1/4 BSP		**MT** – Male taper thread 	MT08	8202 1204 40	1/4 BSPT	
	F10	8202 1106 08	3/8 BSP			MT10	8202 1204 45	3/8 BSPT	
	F15	8202 1106 09	1/2 BSP			MT15	8202 1204 50	1/2 BSPT	
Protective cover 		9090 1940 01			**F** – Female 	F08	8202 1204 55	1/4 BSP	
						F10	8202 1204 60	3/8 BSP	

Eurostandard 7.6 (7.4)

QIC 10E

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

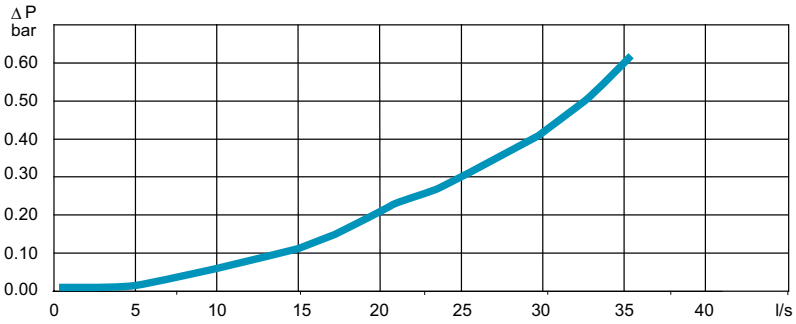
- High flow coupling.
- One-hand operation.
- Low connection force.
- Main market: Europe.

Nipple profile

Technical Data

Max flow capacity	32 l/s (0.5 bar ΔP)
Economical air flow	20 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 10E M10 AND NIP EU 7.6



Air flow at an inlet pressure of 6.3 bar.

QIC 10E AND NIP EU 7.6, 20 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10E	Ordering No.	Size mm	Size in	Connection type	Nipple NIP EU 7.6	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1303 80	6.3	1/4	**H** – Hose	H05	8202 1204 00	5	3/16
	H08	8202 1303 81	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1303 82	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1303 83	13	1/2		H10	8202 1204 15	10	3/8
						H13	8202 1204 20	12.5	1/2
MT – Male taper thread	MT08	8202 1303 84	1/4 BSPT		**M** – Male thread	M06	8202 1204 25	1/8 BSP	
	MT10	8202 1303 85	3/8 BSPT			M08	8202 1204 30	1/4 BSP	
	MT15	8202 1303 86	1/2 BSPT			M10	8202 1204 35	3/8 BSP	
F – Female	F08	8202 1303 87	1/4 BSP		**MT** – Male taper thread	MT08	8202 1204 40	1/4 BSPT	
	F10	8202 1303 88	3/8 BSP			MT10	8202 1204 45	3/8 BSPT	
						MT15	8202 1204 50	1/2 BSPT	
					F – Female	F08	8202 1204 55	1/4 BSP	
						F10	8202 1204 60	3/8 BSP	

Eurostandard 7.6 (7.4)

QIC 10SE

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.

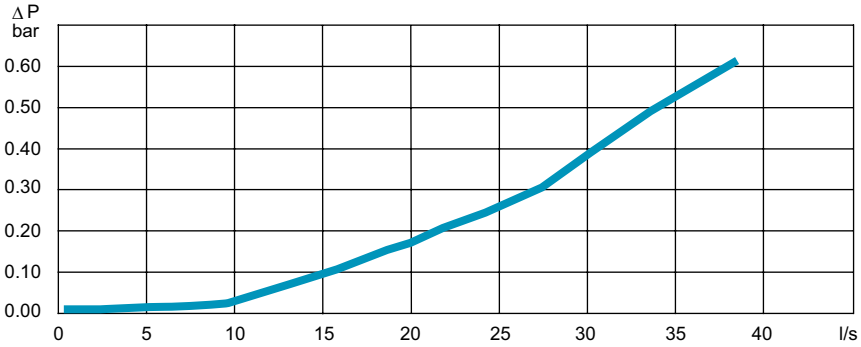
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

Nipple profile

Technical Data

Max flow capacity	34 l/s (0.5 bar ΔP)
Economical air flow	22 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 10SE M10 AND NIP EU 7.6



Air flow at an inlet pressure of 6.3 bar.

QIC 10SE AND NIP EU 7.6, 22 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10SE	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1303 60	6.3	1/4
	H08	8202 1303 61	8	5/16
	H10	8202 1303 62	10	3/8
	H13	8202 1303 63	12.5	1/2
M – Male thread	M08	8202 1303 64	1/4 BSP	
	M10	8202 1303 65	3/8 BSP	
	M15	8202 1303 66	1/2 BSP	
MT – Male taper thread	MT15	8202 1303 67	1/2 BSPT	
F – Female	F08	8202 1303 68	1/4 BSP	
	F10	8202 1303 69	3/8 BSP	
	F15	8202 1303 70	1/2 BSP	

Connection type	Nipple NIP EU 7.6	Ordering No.	Size mm	Size in
H – Hose	H05	8202 1204 00	5	3/16
	H06	8202 1204 05	6.3	1/4
	H08	8202 1204 10	8	5/16
	H10	8202 1204 15	10	3/8
	H13	8202 1204 20	12.5	1/2
M – Male thread	M06	8202 1204 25	1/8 BSP	
	M08	8202 1204 30	1/4 BSP	
	M10	8202 1204 35	3/8 BSP	
MT – Male taper thread	MT08	8202 1204 40	1/4 BSPT	
	MT10	8202 1204 45	3/8 BSPT	
	MT15	8202 1204 50	1/2 BSPT	
F – Female	F08	8202 1204 55	1/4 BSP	
	F10	8202 1204 60	3/8 BSP	

Euro standard 10.4

ERGOQIC 15E

The ErgoQIC 15E is a full flow coupling with no air restriction inside the coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15E will give the benefit of productivity and energy efficiency.

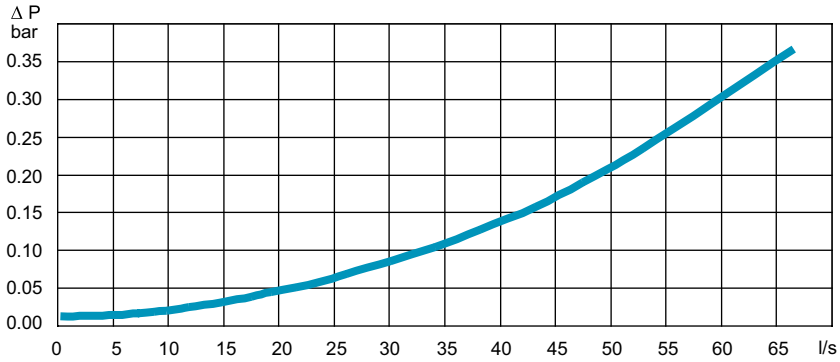
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

Nipple profile

Technical Data

Max flow capacity	76 l/s (0.5 bar ΔP)
Economical air flow	49 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. ERGOQIC 15E AND NIP 15E



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 15E AND NIP 15E, 49 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 15E	Ordering No.	Size mm	Size in
H – Hose	H10	8202 1106 50	10	3/8
	H13	8202 1106 51	12.5	1/2
	H16	8202 1106 52	16	5/8
	H20	8202 1106 53	19	3/4
M – Male	M10	8202 1106 60	3/8 BSP	
	M15	8202 1106 61	1/2 BSP	
	M20	8202 1106 62	3/4 BSP	
	M25	8202 1106 63	1 BSP	
F – Female	F10	8202 1106 70	3/8 BSP	
	F15	8202 1106 71	1/2 BSP	

Connection type	Nipple NIP 15E	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1253 00	6.3	1/4
	H08	8202 1253 05	8	5/16
	H10	8202 1253 10	10	3/8
	H13	8202 1253 15	12.5	1/2
	H16	8202 1253 20	16	5/8
	H20	8202 1253 23	19	3/4
M – Male	M10	8202 1253 25	3/8 BSP	
	M15	8202 1253 30	1/2 BSP	
	M20	8202 1253 34	3/4 BSP	
MT – Male taper thread	MT08	8202 1253 35	1/4 BSPT	
	MT10	8202 1253 40	3/8 BSPT	
	MT15	8202 1253 45	1/2 BSPT	
F – Female	F08	8202 1253 50	1/4 BSP	
	F10	8202 1253 55	3/8 BSP	
	F15	8202 1253 60	1/2 BSP	
	F20	8202 1253 63	3/4 BSP	

Euro standard 10.4

QIC 15E

The QIC 15E quick coupling is suitable for assembly tools, grinders and drills. The QIC 15E has a wide range of connections available and it is interchangeable with eurostandard nipples.

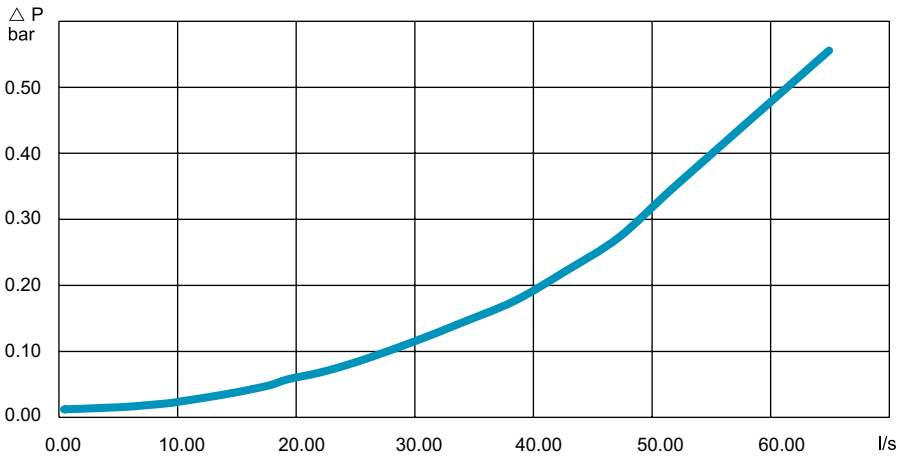
- Exceptionally high flow.
- One-hand operation.
- Strong and durable.
- Main market: Europe.

Nipple profile

Technical Data

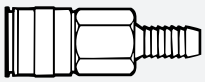
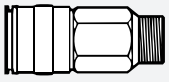
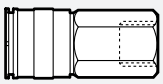
Max flow capacity	62 l/s (0.5 bar ΔP)
Economical air flow	40 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

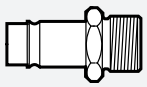
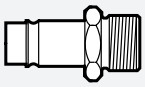
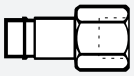
FLOW CHART. QIC 15E AND NIP EU 10.4



Air flow at an inlet pressure of 6.3 bar.

QIC 15E AND NIP EU 10.4, 40 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15E	Ordering No.	Size mm	Size in
H – Hose 	H10	8202 1304 81	10	3/8
	H13	8202 1304 82	12.5	1/2
	H16	8202 1304 90	16	5/8
	H20	8202 1304 83	19	3/4
MT – Male taper thread 	MT10	8202 1304 84	3/8 BSPT	
	MT15	8202 1304 85	1/2 BSPT	
	MT20	8202 1304 86	3/4 BSPT	
F – Female 	F10	8202 1304 87	3/8 BSP	
	F15	8202 1304 88	1/2 BSP	
	F20	8202 1304 89	3/4 BSP	

Connection type	Nipple NIP EU 10.4	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1253 00	6.3	1/4
	H08	8202 1253 05	8	5/16
	H10	8202 1253 10	10	3/8
	H13	8202 1253 15	12.5	1/2
	H16	8202 1253 20	16	5/8
	H20	8202 1253 23	19	3/4
M – Male 	M10	8202 1253 25	3/8 BSP	
	M15	8202 1253 30	1/2 BSP	
	M20	8202 1253 34	3/4 BSP	
MT – Male taper thread 	MT08	8202 1253 35	1/4 BSPT	
	MT10	8202 1253 40	3/8 BSPT	
	MT15	8202 1253 45	1/2 BSPT	
F – Female 	F08	8202 1253 50	1/4 BSP	
	F10	8202 1253 55	3/8 BSP	
	F15	8202 1253 60	1/2 BSP	
	F20	8202 1253 63	3/4 BSP	

Eurostandard 10.4

QIC 15SE

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.

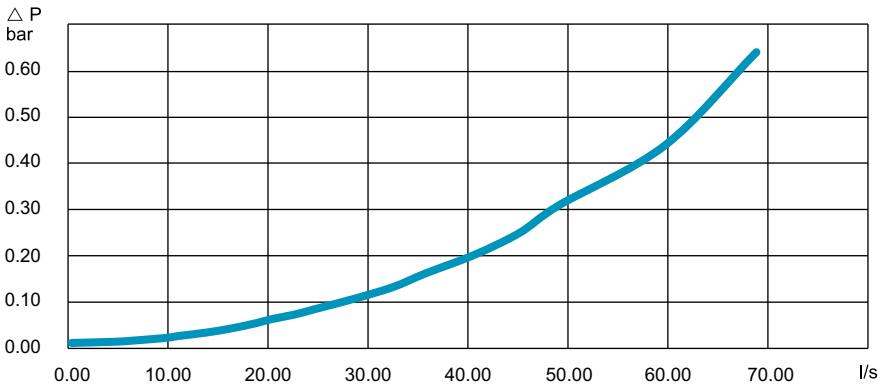
- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

Nipple profile

Technical Data

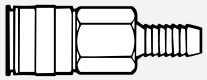
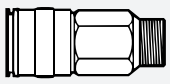
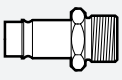
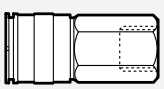
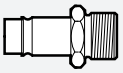
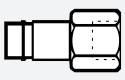
Max flow capacity	63 l/s (0.5 bar ΔP)
Economical air flow	41 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 15SE M15 AND NIP 15E F15



Air flow at an inlet pressure of 6.3 bar.

QIC 15SE AND NIP 15E, 41 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15SE	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 15E	Ordering No.	Size mm	Size in
H – Hose 	H10	8202 1305 30	10	3/8	**H** – Hose 	H06	8202 1253 00	6.3	1/4
	H13	8202 1305 31	12.5	1/2		H08	8202 1253 05	8	5/16
	H16	8202 1305 32	16	5/8		H10	8202 1253 10	10	3/8
						H13	8202 1253 15	12.5	1/2
						H16	8202 1253 20	16	5/8
						H20	8202 1253 23	19	3/4
M – Male thread 	M08	8202 1305 33	1/4 BSP		**M** – Male thread 	M10	8202 1253 25	3/8 BSP	
	M10	8202 1305 34	3/8 BSP			M15	8202 1253 30	1/2 BSP	
	M15	8202 1305 35	1/2 BSP			M20	8202 1253 34	3/4 BSP	
F – Female thread 	F15	8202 1305 36	1/2 BSP		**MT** – Male taper thread 	MT08	8202 1253 35	1/4 BSPT	
						MT10	8202 1253 40	3/8 BSPT	
						MT15	8202 1253 45	1/2 BSPT	
					F – Female thread 	F08	8202 1253 50	1/4 BSP	
						F10	8202 1253 55	3/8 BSP	
						F15	8202 1253 60	1/2 BSP	
						F20	8202 1253 63	3/4 BSP	

ISO 6150-B / US standard

ERGOQIC 08US

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

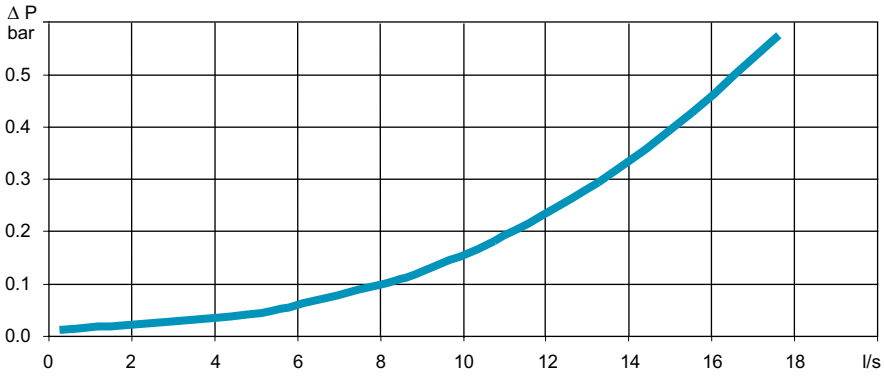
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.

Nipple profile

Technical Data

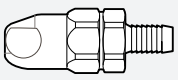
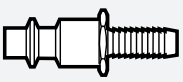
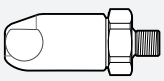
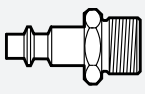
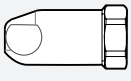
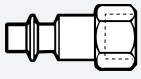
Max flow capacity	17 l/s (0.5 bar ΔP)
Economical air flow	11 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to 80ºC

FLOW CHART. ERGOQIC 08US AND NIP 08



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 08US AND NIP 08, 11 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08US	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 08	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1103 00	6.3	1/4	**H** – Hose 	H06	8202 1205 18	6.3	1/4
	H08	8202 1103 01	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1103 02	10	3/8		H10	8202 1205 34	10	3/8
						H13	8202 1208 03	12.5	1/2
M – Male 	M08	8202 1103 05	1/4 BSP		**M** – Male 	M06	8202 1205 42	1/8 BSP	
	M10	8202 1103 07	3/8 BSP			M08	8202 1205 59	1/4 BSP	
	M15	8202 1103 09	1/2 BSP			M10	8202 1205 67	3/8 BSP	
F – Female 	F08	8202 1103 11	1/4 BSP		**F** – Female 	F08	8202 1205 83	1/4 BSP	
	F10	8202 1103 13	3/8 BSP			F10	8202 1205 91	3/8 BSP	

ISO 6150-B / US standard

QIC 08

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

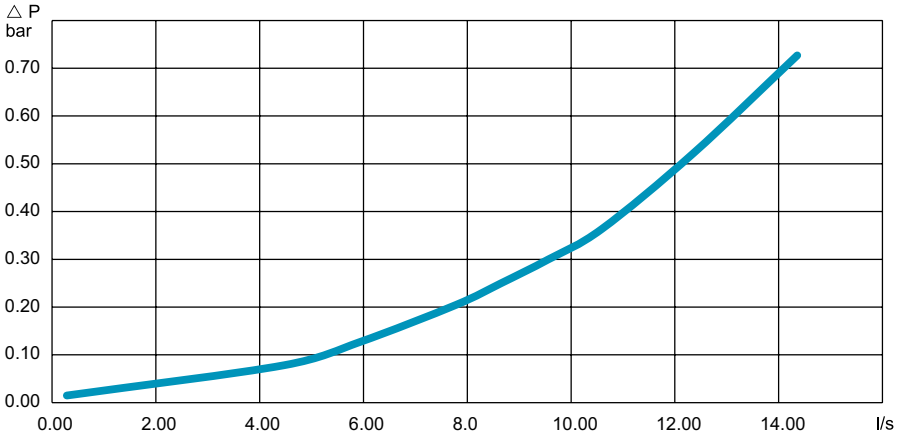
- High flow coupling.
- One-hand operation.
- Low connection force.
- Main market: North America, France, Norway and Spain.

Nipple profile

Technical Data

Max flow capacity	12 l/s (0.5 bar ΔP)
Economical air flow	8 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 08 M08 AND NIP 08 F08



Air flow at an inlet pressure of 6.3 bar.

QIC 08 AND NIP 08, 8 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 08	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 08	Ordering No.	Size mm	Size 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	
						M10	8202 1205 67	3/8 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	

ISO 6150-B / US standard

QIC 08S

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.

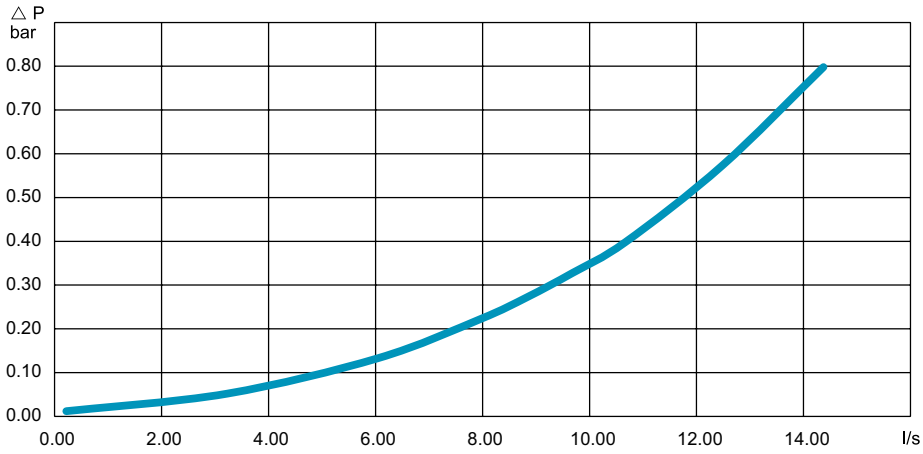
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.

Nipple profile

Technical Data

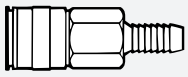
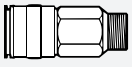
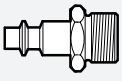
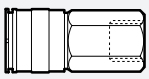
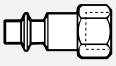
Max flow capacity	12 l/s (0.5 bar ΔP)
Economical air flow	8 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 08S M08 AND NIP 08 F08



Air flow at an inlet pressure of 6.3 bar.

QIC 08S AND NIP 08, 8 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 08S	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 08	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1300 09	6.3	1/4	**H** – Hose 	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 18	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 28	10	3/8		H10	8202 1205 34	10	3/8
M – Male thread 	M08	8202 1300 43	1/4 BSP		**M** – Male thread 	M06	8202 1205 42	1/8 BSP	
	M10	8202 1300 45	3/8 BSP			M08	8202 1205 59	1/4 BSP	
						M10	8202 1205 67	3/8 BSP	
F – Female thread 	F08	8202 1300 58	1/4 BSP		**F** – Female thread 	F08	8202 1205 83	1/4 BSP	
	F10	8202 1300 68	3/8 BSP			F10	8202 1205 91	3/8 BSP	

ISO 6150-B / US standard

ERGOQIC 10US

The ErgoQIC 10US is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10US couplings will give the benefit of productivity and energy efficiency. It is interchangeable with US 3/8" standard nipples.

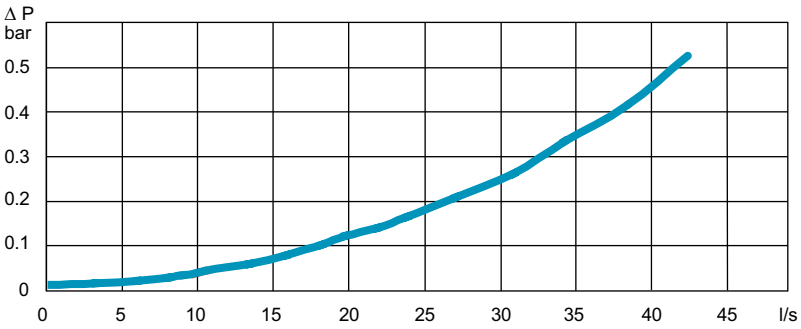
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.

Nipple profile

Technical Data

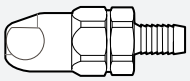
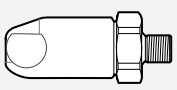
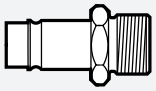
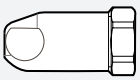
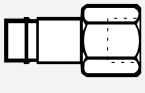
Max flow capacity	43 l/s (0.5 bar ΔP)
Economical air flow	27 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to 80ºC

FLOW CHART. ERGOQIC 10US AND NIP 10US



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 10US AND NIP 10US, 27 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10US	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10US	Ordering No.	Size mm	Size in
H – Hose 	H08	8202 1107 01	8	5/16	**H** – Hose 	H08	8202 1210 70	8	5/16
	H10	8202 1107 02	10	3/8		H10	8202 1210 71	10	3/8
	H13	8202 1107 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
	H20	8202 1107 05	19	3/4		H16	8202 1210 73	16	5/8
						H20	8202 1210 74	19	3/4
M – Male 	M08	8202 1107 07	1/4 BSP		**M** – Male 	M08	8202 1210 75	1/4 BSP	
	M10	8202 1107 09	3/8 BSP			M10	8202 1210 76	3/8 BSP	
	M15	8202 1107 11	1/2 BSP			M15	8202 1210 77	1/2 BSP	
F – Female 	F08	8202 1107 13	1/4 BSP		**F** – Female 	F08	8202 1210 81	1/4 BSP	
	F10	8202 1107 15	3/8 BSP			F10	8202 1210 82	3/8 BSP	
	F15	8202 1107 17	1/2 BSP			F15	8202 1210 83	1/2 BSP	

ISO 6150-B / US standard

QIC 10US

The QIC 10US quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

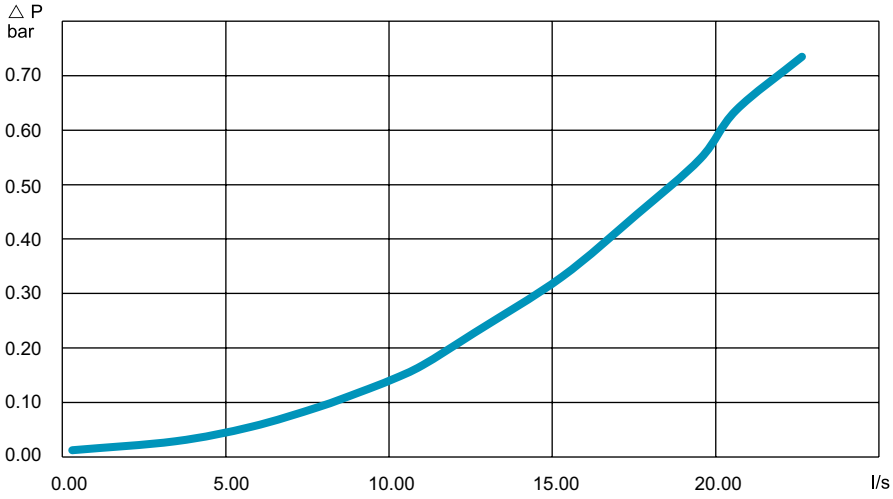
- High flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.

Nipple profile

Technical Data

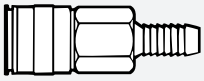
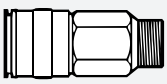
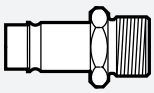
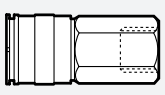
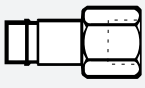
Max flow capacity	19 l/s (0.5 bar ΔP)
Economical air flow	12 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to 80ºC

FLOW CHART. QIC 10US AND NIP 10US



Air flow at an inlet pressure of 6.3 bar.

QIC 10US AND NIP 10US, 12 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10US	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10US	Ordering No.	Size mm	Size in
H – Hose 	H08	8202 1307 01	8	5/16	**H** – Hose 	H08	8202 1210 70	8	5/16
	H10	8202 1307 02	10	3/8		H10	8202 1210 71	10	3/8
	H13	8202 1307 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
						H16	8202 1210 73	16	5/8
						H20	8202 1210 74	19	3/4
M – Male 	M08	8202 1307 10	1/4 BSP		**M** – Male 	M08	8202 1210 75	1/4 BSP	
	M10	8202 1307 11	3/8 BSP			M10	8202 1210 76	3/8 BSP	
	M15	8202 1307 12	1/2 BSP			M15	8202 1210 77	1/2 BSP	
F – Female 	F08	8202 1307 13	1/4 BSP		**F** – Female 	F08	8202 1210 81	1/4 BSP	
	F10	8202 1307 14	3/8 BSP			F10	8202 1210 82	3/8 BSP	
	F15	8202 1307 15	1/2 BSP			F15	8202 1210 83	1/2 BSP	

ISO 6150-B / US standard

ERGOQIC 15US

The ErgoQIC 15US is a full flow coupling with no air restriction inside the coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15US will give the benefit of productivity and energy efficiency. It is interchangeable with US 1/2" standard nipples.

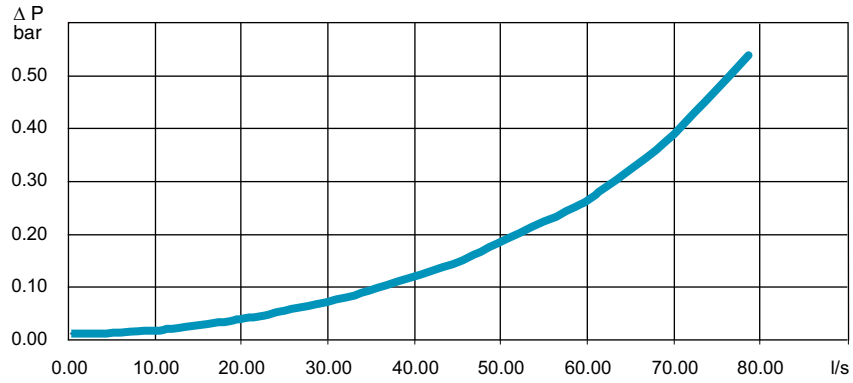
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.

Nipple profile

Technical Data

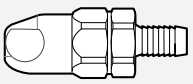
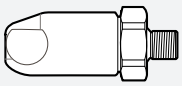
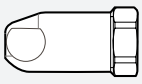
Max flow capacity	77 l/s (0.5 bar ΔP)
Economical air flow	52 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

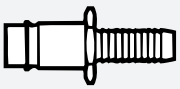
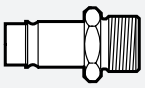
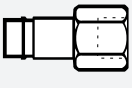
FLOW CHART. ERGOQIC 15US AND NIP 15US



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 15US AND NIP 15US, 52 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 15US	Ordering No.	Size mm	Size in
H – Hose 	H10	8202 1108 02	10	3/8
	H13	8202 1108 03	12.5	1/2
	H16	8202 1108 04	16	5/8
	H20	8202 1108 05	19	3/4
M – Male 	M10	8202 1108 09	3/8 BSP	
	M15	8202 1108 11	1/2 BSP	
F – Female 	F10	8202 1108 15	3/8 BSP	
	F15	8202 1108 17	1/2 BSP	

Connection type	Nipple NIP 15US	Ordering No.	Size mm	Size in
H – Hose 	H10	8202 1215 40	10	3/8
	H13	8202 1215 41	12.5	1/2
	H16	8202 1215 42	16	5/8
	H20	8202 1215 43	19	3/4
M – Male 	M08	8202 1215 44	1/4 BSP	
	M10	8202 1215 45	3/8 BSP	
	M15	8202 1215 46	1/2 BSP	
	M20	8202 1215 47	3/4 BSP	
F – Female 	F10	8202 1215 52	3/8 BSP	
	F15	8202 1215 53	1/2 BSP	

ISO 6150-B / US standard

QIC 15US

The QIC 15US quick coupling is suitable for assembly tools, drills and grinders. The QIC 15US has a wide range of connections available and it is interchangeable with US 1/2" standard nipples.

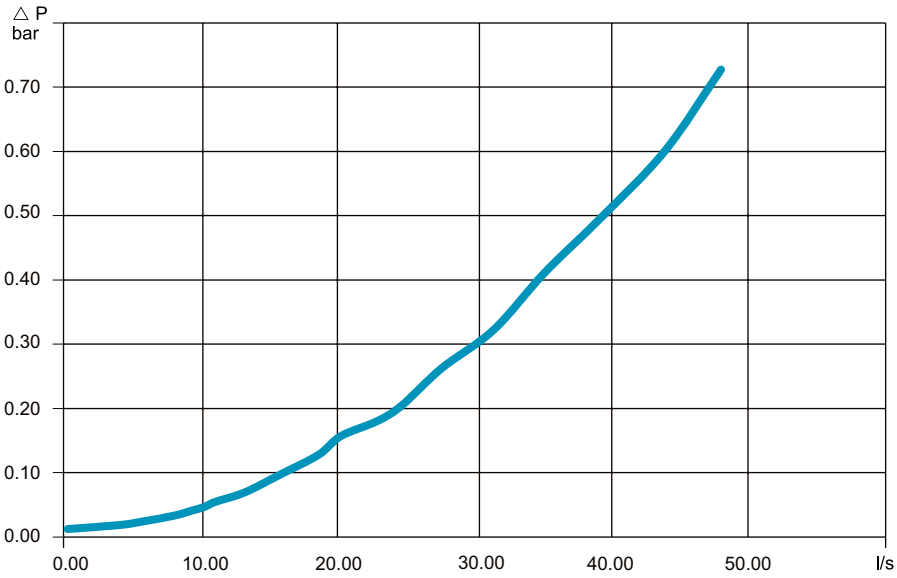
- Exceptional high flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.

Nipple profile

Technical Data

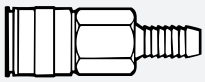
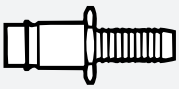
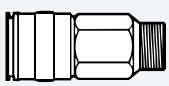
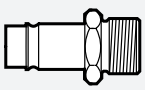
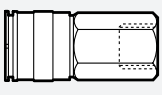
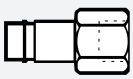
Max flow capacity	40 l/s (0.5 bar ΔP)
Economical air flow	22 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 15US AND NIP 15US



Air flow at an inlet pressure of 6.3 bar.

QIC 15US AND NIP 15US, 22 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15US	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 15US	Ordering No.	Size mm	Size in
H – Hose 	H13	8202 1308 02	12.5	1/2	**H** – Hose 	H10	8202 1215 40	10	3/8
	H16	8202 1308 20	16	5/8		H13	8202 1215 41	12.5	1/2
	H20	8202 1308 03	19	3/4		H16	8202 1215 42	16	5/8
						H20	8202 1215 43	19	3/4
M – Male 	M10	8202 1308 10	3/8 BSP		**M** – Male 	M08	8202 1215 44	1/4 BSP	
	M15	8202 1308 11	1/2 BSP			M10	8202 1215 45	3/8 BSP	
	M20	8202 1308 12	3/4 BSP			M15	8202 1215 46	1/2 BSP	
						M20	8202 1215 47	3/4 BSP	
F – Female 	F10	8202 1308 13	3/8 BSP		**F** – Female 	F10	8202 1215 52	3/8 BSP	
	F15	8202 1308 14	1/2 BSP			F15	8202 1215 53	1/2 BSP	
	F20	8202 1308 15	3/4 BSP						

Atlas Copco standard EU

ERGOQIC 10AC

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

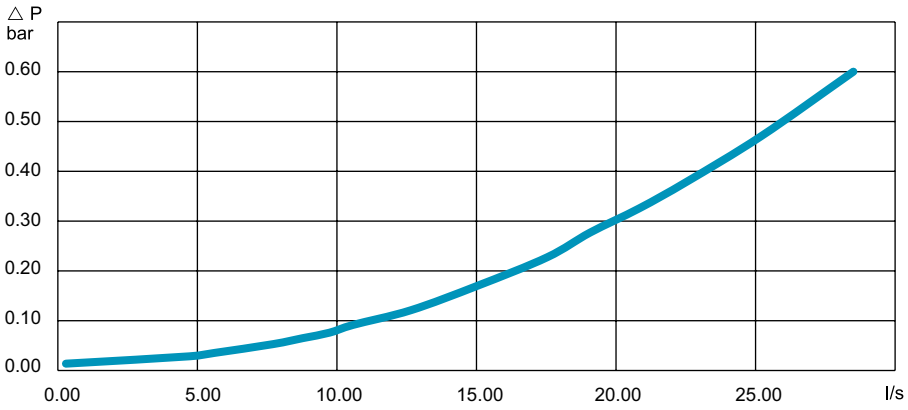
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Nordic, Benelux and Italy.

Nipple profile

Technical Data

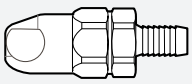
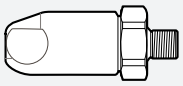
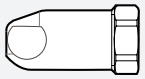
Max flow capacity	26 l/s (0.5 bar ΔP)
Economical air flow	17 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10ºC to +70ºC

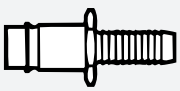
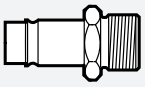
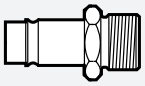
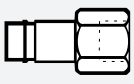
FLOW CHART. ERGOQIC 10AC AND NIP 10



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 10AC AND NIP 10, 17 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10AC	Ordering No.	Size mm	Size in
H – Hose 	H08	8202 1109 01	8	5/16
	H10	8202 1109 02	10	3/8
	H13	8202 1109 03	12.5	1/2
M – Male thread 	M08	8202 1109 05	1/4 BSP	
	M10	8202 1109 06	3/8 BSP	
	M15	8202 1109 07	1/2 BSP	
F – Female 	F08	8202 1109 09	1/4 BSP	
	F10	8202 1109 10	3/8 BSP	
	F15	8202 1109 11	1/2 BSP	

Connection type	Nipple NIP 10	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1202 11	6.3	3/8
	H08	8202 1202 94	8	1/2
	H10	8202 1202 29	10	5/8
	H13	8202 1202 34	12.5	3/4
M – Male thread 	M06	8202 1202 37	1/8 BSP	
	M08	8202 1202 45	1/4 BSP	
	M10	8202 1202 52	3/8 BSP	
MT – Male taper thread 	MT08	8202 1202 60	1/4 BSPT	
	MT10	8202 1202 78	3/8 BSPT	
	MT15	8202 1203 02	1/2 BSPT	
F – Female 	F08	8202 1202 86	1/4 BSP	
	F10	8202 1202 87	3/8 BSP	

Atlas Copco standard EU

QIC 10

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.

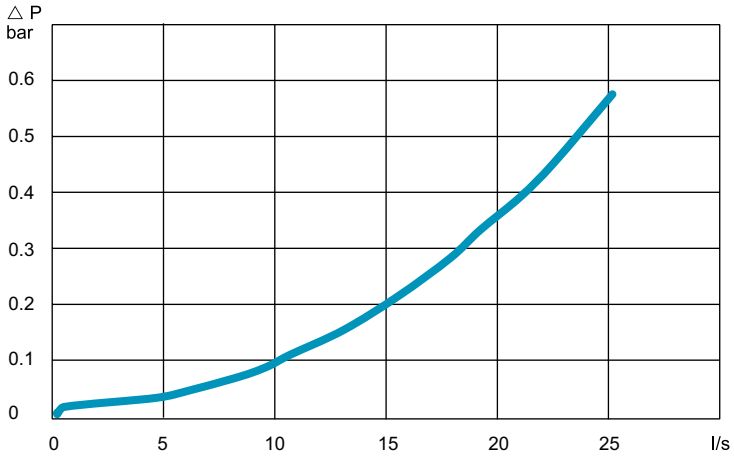
- High flow coupling.
- Strong and durable.
- One-hand operation.
- Main market: Europe and Australia.

Nipple profile

Technical Data

Max flow capacity	24 l/s (0.5 bar ΔP)
Economical air flow	15 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 10 M10 AND NIP 10 M10



Air flow at an inlet pressure of 6.3 bar.

QIC 10 AND NIP 10, 15 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1302 02	6.3	1/4	**H** – Hose	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
M – Male thread	M08	8202 1302 36	1/4 BSP		**SH** – Safety Hose [a]	SH06	8202 1203 10	6.3	1/4
	M10	8202 1302 44	3/8 BSP			SH08	8202 1203 36	8	5/16
						SH10	8202 1203 28	10	3/8
MT – Male taper thread	MT15	8202 1302 51	1/2 BSPT		**M** – Male thread	M06	8202 1202 37	1/8 BSP	
						M08	8202 1202 45	1/4 BSP	
						M10	8202 1202 52	3/8 BSP	
F – Female	F08	8202 1302 69	1/4 BSP		**MT** – Male taper thread	MT08	8202 1202 60	1/4 BSPT	
						MT10	8202 1202 78	3/8 BSPT	
						MT15	8202 1203 02	1/2 BSPT	
					F – Female	F08	8202 1202 86	1/4 BSP	
						F10	8202 1202 87	3/8 BSP	

[a] For hoses longer than 3 meters.

Atlas Copco standard EU

QIC 10S

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.

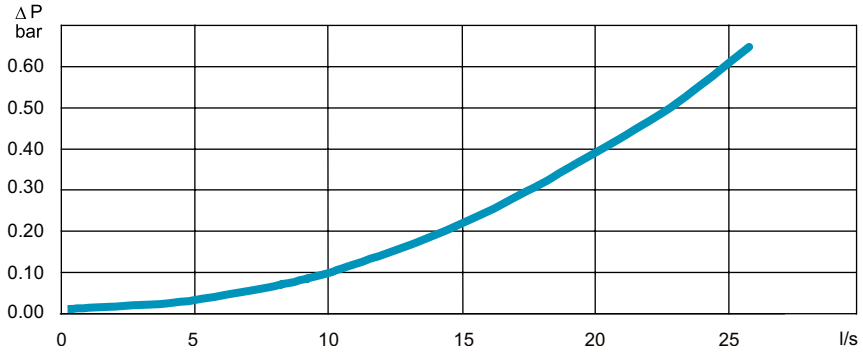
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe and Australia.

Nipple profile

Technical Data

Max flow capacity	23 l/s (0.5 bar ΔP)
Economical air flow	14 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 10S M10 AND NIP 10 M10



Air flow at an inlet pressure of 6.3 bar.

QIC 10S AND NIP 10, 14 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10S	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1302 08	6.3	1/4	**H** – Hose	H06	8202 1202 11	6.3	1/4
	H08	8202 1302 18	8	5/16		H08	8202 1202 94	8	5/16
	H10	8202 1302 33	10	3/8		H10	8202 1202 29	10	3/8
	H13	8202 1302 39	12.5	1/2		H13	8202 1202 34	12.5	1/2
M – Male thread	M08	8202 1302 43	1/4 BSP		**SH** – Safety hose[a]	SH06	8202 1203 10	6.3	1/4
	M10	8202 1302 54	3/8 BSP			SH08	8202 1203 36	8	5/16
	M15	8202 1302 81	1/2 BSP			SH10	8202 1203 28	10	3/8
MT – Male taper thread	MT15	8202 1302 58	1/2 BSPT		**M** – Male thread	M06	8202 1202 37	1/8 BSP	
						M08	8202 1202 45	1/4 BSP	
						M10	8202 1202 52	3/8 BSP	
F – Female	F08	8202 1302 73	1/4 BSP		**MT** – Male taper thread	MT08	8202 1202 60	1/4 BSPT	
	F10	8202 1302 74	3/8 BSP			MT10	8202 1202 78	3/8 BSPT	
						MT15	8202 1203 02	1/2 BSPT	
					F – Female	F08	8202 1202 86	1/4 BSP	
						F10	8202 1202 87	3/8 BSP	

[a] For hoses longer than 3 meters.

Atlas Copco standard EU

QIC 15

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

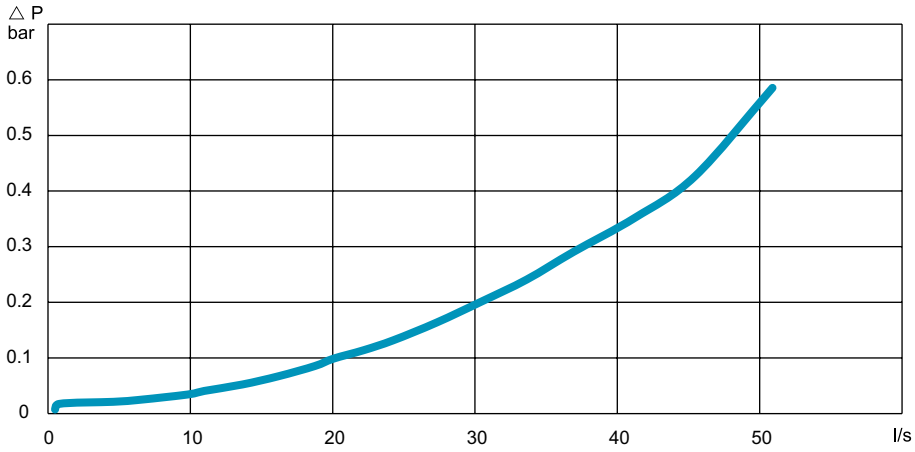
- Extremely high flow.
- Strong and durable.
- One-hand operation.
- Main market: Europe.

Nipple profile

Technical Data

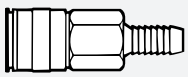
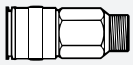
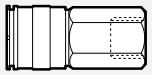
Max flow capacity	48 l/s (0.5 bar ΔP)
Economical air flow	30 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

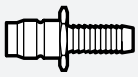
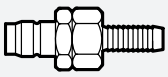
FLOW CHART. QIC 15 M15 AND NIP 15 F15



Air flow at an inlet pressure of 6.3 bar.

QIC 15 AND NIP 15, 30 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15	Ordering No.	Size mm	Size in
H – Hose 	H10	8202 1304 00	10	3/8
	H13	8202 1304 18	12.5	1/2
	H16	8202 1304 26	16	5/8
M – Male thread 	M08	8202 1304 34	1/4 BSP	
	M10	8202 1304 42	3/8 BSP	
	M15	8202 1304 59	1/2 BSP	
F – Female thread 	F15	8202 1304 67	1/2 BSP	

Connection type	Nipple NIP 15	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1251 03	6.3	1/4
	H08	8202 1252 28	8	5/16
	H10	8202 1251 11	10	3/8
	H13	8202 1251 29	12.5	1/2
	H16	8202 1251 37	16	5/8
SH – Safety Hose [a] 	SH10	8202 1203 44	10	3/8
	SH13	8202 1203 51	12.5	1/2
	SH16	8202 1203 69	16	5/8
M – Male thread 	M10	8202 1251 45	3/8 BSP	
	M15	8202 1251 52	1/2 BSP	
MT – Male taper thread 	MT08	8202 1251 60	1/4 BSPT	
	MT10	8202 1251 78	3/8 BSPT	
	MT15	8202 1251 86	1/2 BSPT	
F – Female thread 	F08	8202 1251 94	1/4 BSP	
	F10	8202 1252 02	3/8 BSP	
	F15	8202 1252 10	1/2 BSP	

[a] For hoses longer than 3 meters.

Atlas Copco standard EU

QIC 15S

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

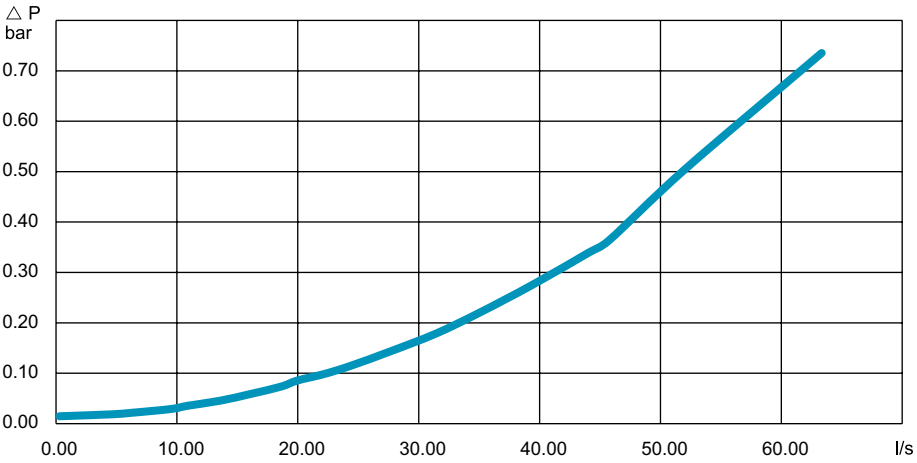
- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

Nipple profile

Technical Data

Max flow capacity	52 l/s (0.5 bar ΔP)
Economical air flow	33 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 15S M15 AND NIP 15 F15



Air flow at an inlet pressure of 6.3 bar.

QIC 15S AND NIP 15, 33 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15S	Ordering No.	Size mm	Size in
H – Hose	H10	8202 1304 08	10	3/8
	H13	8202 1304 23	12.5	1/2
	H16	8202 1304 33	16	5/8
M – Male thread	M08	8202 1304 38	1/4 BSP	
	M10	8202 1304 48	3/8 BSP	
	M15	8202 1304 73	1/2 BSP	
F – Female thread	F15	8202 1304 74	1/2 BSP	

Connection type	Nipple NIP 15	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1251 03	6.3	1/4
	H08	8202 1252 28	8	5/16
	H10	8202 1251 11	10	3/8
	H13	8202 1251 29	12.5	1/2
	H16	8202 1251 37	16	5/8
SH – Safety Hose [a]	SH10	8202 1203 44	10	3/8
	SH13	8202 1203 51	12.5	1/2
	SH16	8202 1203 69	16	5/8
M – Male thread	M10	8202 1251 45	3/8 BSP	
	M15	8202 1251 52	1/2 BSP	
MT – Male taper thread	MT08	8202 1251 60	1/4 BSPT	
	MT10	8202 1251 78	3/8 BSPT	
	MT15	8202 1251 86	1/2 BSPT	
F – Female thread	F08	8202 1251 94	1/4 BSP	
	F10	8202 1252 02	3/8 BSP	
	F15	8202 1252 10	1/2 BSP	

[a] For hoses longer than 3 meters.

ASIA standard

ERGOQIC 10 ASIA

The ErgoQIC 10 ASIA 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 ASIA will give the benefits of productivity and energy efficiency.

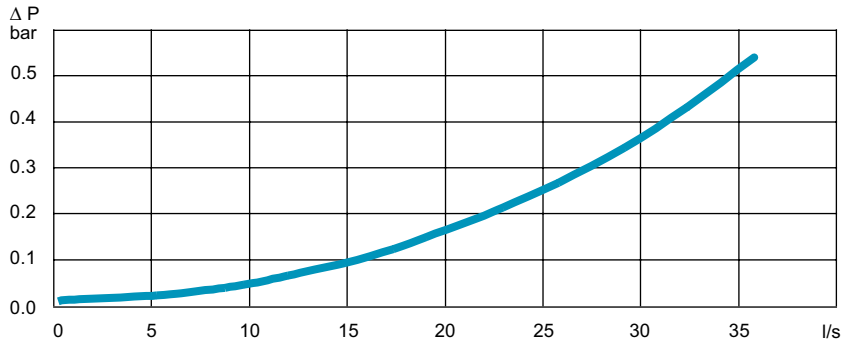
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Asia, Italy.

Nipple profile

Technical Data

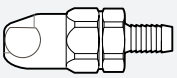
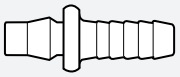
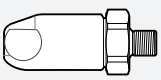
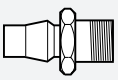
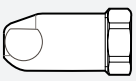
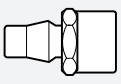
Max flow capacity	35 l/s (0.5 bar ΔP)
Economical air flow	22 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10ºC to +70ºC

FLOW CHART. ERGOQIC 10 ASIA AND NIP 10 ASIA



Air flow at an inlet pressure of 6.3 bar.

ERGOQIC 10 ASIA AND NIP 10 ASIA, 22 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10 ASIA	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10 ASIA	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1104 00	6.3	1/4	**H** – Hose 	H06	8202 1202 15	6.3	1/4
	H08	8202 1104 01	8	5/16		H08	8202 1202 16	8	5/16
	H10	8202 1104 02	10	3/8		H10	8202 1202 17	10	3/8
	H13	8202 1104 03	12.5	1/2		H13	8202 1202 18	12.5	1/2
MT – Male taper thread 	MT08	8202 1104 05	1/4 BSPT		**MT** – Male taper thread 	MT06	8202 1202 19	1/8 BSPT	
	MT10	8202 1104 06	3/8 BSPT			MT08	8202 1202 20	1/4 BSPT	
	MT15	8202 1104 07	1/2 BSPT			MT10	8202 1202 21	3/8 BSPT	
						MT15	8202 1202 22	1/2 BSPT	
FT – Female taper thread 	FT08	8202 1104 09	1/4 BSPT		**FT** – Female taper thread 	FT08	8202 1202 23	1/4 BSPT	
	FT10	8202 1104 10	3/8 BSPT			FT10	8202 1202 24	3/8 BSPT	
	FT15	8202 1104 11	1/2 BSPT			FT15	8202 1202 25	1/2 BSPT	

ASIA standard

QIC 10 ASIA

The QIC 10 ASIA quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10 ASIA has a wide range of connections available and it is interchangeable with asia standard nipples.

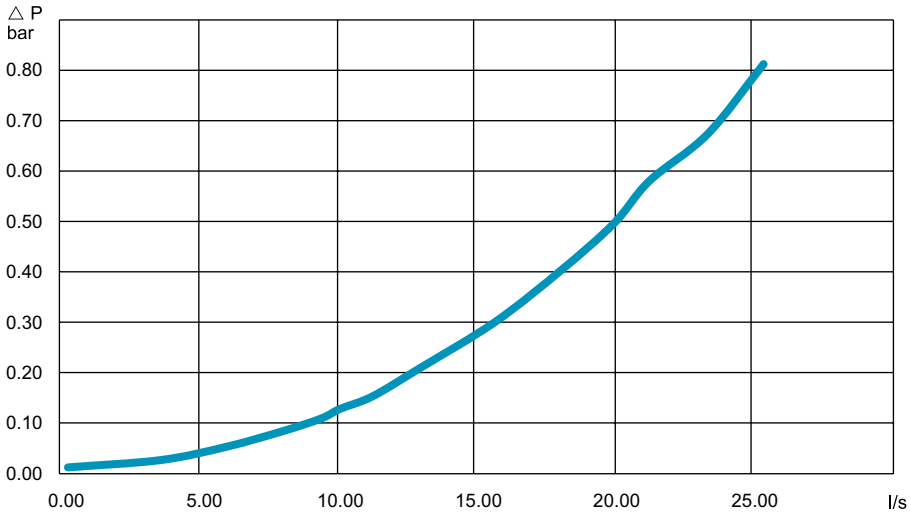
- High flow.
- One-hand operation.
- Strong and durable.
- Main market: Asia.

Nipple profile

Technical Data

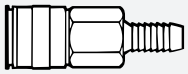
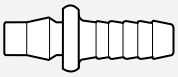
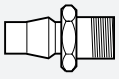
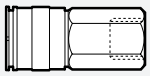
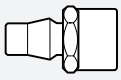
Max flow capacity	20 l/s (0.5 bar ΔP)
Economical air flow	13 l/s (0.2 bar ΔP)
Max working pressure	10 bar
Temperature range	-20ºC to +80ºC

FLOW CHART. QIC 10 ASIA AND NIP 10 ASIA



Air flow at an inlet pressure of 6.3 bar.

QIC 10 ASIA AND NIP 10 ASIA, 13 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10 ASIA	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10 ASIA	Ordering No.	Size mm	Size in
H – Hose 	H06	8202 1302 85	6.3	1/4	**H** – Hose 	H06	8202 1202 15	6.3	1/4
	H08	8202 1302 86	8	5/16		H08	8202 1202 16	8	5/16
	H10	8202 1302 87	10	3/8		H10	8202 1202 17	10	3/8
	H13	8202 1302 88	12.5	1/2		H13	8202 1202 18	12.5	1/2
MT – Male taper thread 	MT08	8202 1302 89	1/4 BSPT		**MT** – Male taper thread 	MT06	8202 1202 19	1/8 BSPT	
	MT10	8202 1302 90	3/8 BSPT			MT08	8202 1202 20	1/4 BSPT	
	MT15	8202 1302 91	1/2 BSPT			MT10	8202 1202 21	3/8 BSPT	
						MT15	8202 1202 22	1/2 BSPT	
FT – Female taper thread 	FT08	8202 1302 92	1/4 BSPT		**FT** – Female taper thread 	FT08	8202 1202 23	1/4 BSPT	
	FT10	8202 1302 93	3/8 BSPT			FT10	8202 1202 24	3/8 BSPT	
	FT15	8202 1302 94	1/2 BSPT			FT15	8202 1202 25	1/2 BSPT	

TEMA standard

QIC 10 T

The QIC 10T is a small quick coupling suitable for assembly tools and drills. The QIC 10T has a compact design and high flow rates. It is interchangeable with Tema 1300, Rectus 31 and Cejn 303.

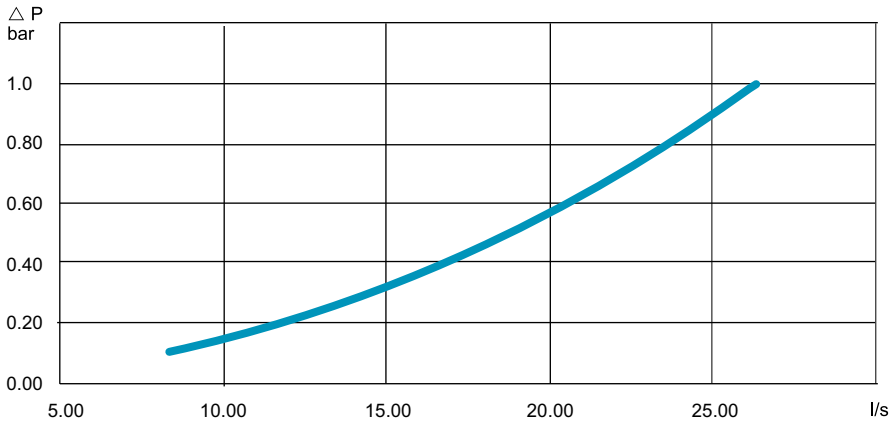
- High flow.
- One-hand operation.
- Main market: Nordic.

Nipple profile

Technical Data

Max flow capacity	19 l/s (0.5 bar ΔP)
Economical air flow	12 l/s (0.2 bar ΔP)
Max working pressure	35 bar
Temperature range	-20ºC to +100ºC

FLOW CHART. QIC 10T AND NIP 10T



Air flow at an inlet pressure of 6.3 bar.

QIC 10T AND NIP 10T , 12 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10T	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 10T	Ordering No.	Size mm	Size in
H – Hose	H06	8202 1308 35	6	1/4	H – Hose	H06	8202 1203 70	6	1/4
	H08	8202 1308 36	8	5/16		H08	8202 1203 71	8	5/16
	H10	8202 1308 37	10	3/8		H10	8202 1203 72	10	3/8
	H13	8202 1308 38	13	1/2		H13	8202 1203 73	13	1/2
M – Male	MT08	8202 1308 32	1/4 BSPT		M – Male	MT06	8202 1203 74	1/8 BSPT	
	MT10	8202 1308 33	3/8 BSPT			MT08	8202 1203 75	1/4 BSPT	
	MT15	8202 1308 34	1/2 BSPT			MT10	8202 1203 76	3/8 BSPT	
						MT15	8202 1203 77	1/2 BSPT	
F – Female	F08	8202 1308 30	1/4 BSP		F – Female	F06	8202 1203 78	1/8 BSP	
	F10	8202 1308 31	3/8 BSP			F08	8202 1203 79	1/4 BSP	
						F10	8202 1203 80	3/8 BSP	

TEMA standard

QIC 15T

The QIC 15T quick coupling is suitable for assembly tools, drills and small grinders. The QIC 15T has a robust, compact design and high flow rates. It is interchangeable with Tema 1800, Rectus 32 and Cejn 408.

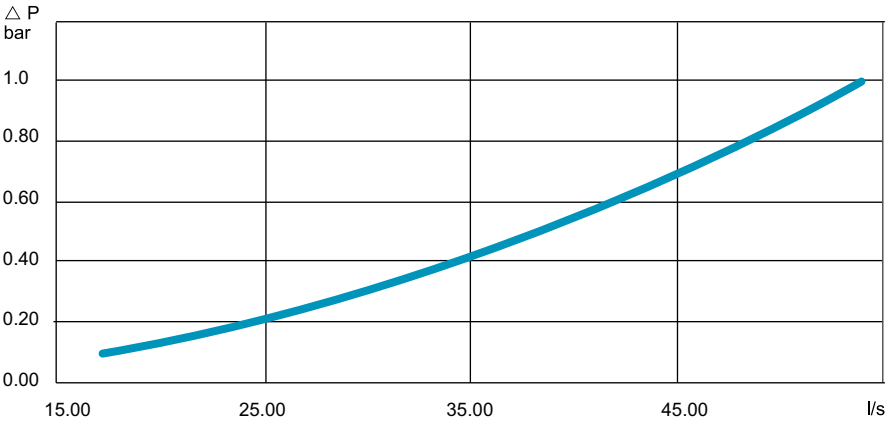
- High flow.
- One-hand operation.
- Main market: Nordic.

Nipple profile

Technical Data

Max flow capacity	38 l/s (0.5 bar ΔP)
Economical air flow	24 l/s (0.2 bar ΔP)
Max working pressure	35 bar
Temperature range	-20ºC to +100ºC

FLOW CHART. QIC 15T AND NIP 15T



Air flow at an inlet pressure of 6.3 bar.

QIC 15T AND NIP 15T, 24 L/S (recommended air flow at 6.3 bar pressure)

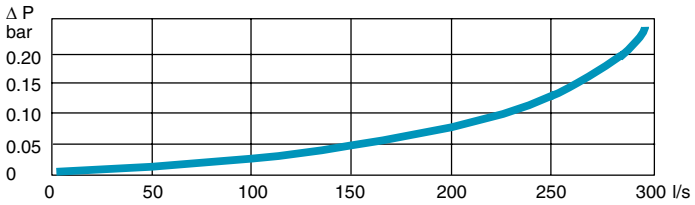
Connection type	Coupling QIC 15T	Ordering No.	Size mm	Size in	Connection type	Nipple NIP 15T	Ordering No.	Size mm	Size in
H – Hose	H10	8202 1308 56	10	3/8	H – Hose	H10	8202 1203 85	10	3/8
	H13	8202 1308 57	13	1/2		H13	8202 1203 86	13	1/2
	H16	8202 1308 58	16	5/8		H16	8202 1203 87	16	5/8
	H20	8202 1308 59	20	3/4		H20	8202 1203 88	19	3/4
M – Male	MT10	8202 1308 53	3/8 BSPT		M – Male	M08	8202 1203 89	1/4 BSP	
	MT15	8202 1308 54	1/2 BSPT			M10	8202 1203 90	3/8 BSP	
	MT20	8202 1308 55	3/4 BSPT			MT15	8202 1203 91	1/2 BSPT	
						MT20	8202 1203 92	3/4 BSPT	
F – Female	F10	8202 1308 50	3/8 BSP		F – Female	F08	8202 1203 93	1/4 BSP	
	F15	8202 1308 51	1/2 BSP			F10	8202 1203 94	3/8 BSP	
	F20	8202 1308 52	3/4 BSP			F15	8202 1203 95	1/2 BSP	

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.

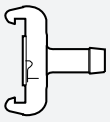
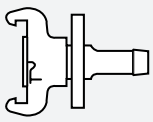
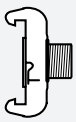
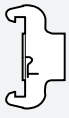
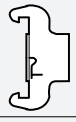
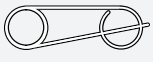
The recommended maximum working pressure is 10 bar.

- 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



Air flow at an inlet pressure of 6 bar.

Connection type		Coupling CLAW	Ordering No.	Size mm	Size in	Bore B, mm
H – 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
LNH – 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
M – 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
F – 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) [a]			
		For LNH10, -13 and -16	9000 0015 00			
		For LNH20 and -25	9000 0268 00 (+80°C), 9000 0319 00 (+200°C) [a]			
Safety lock spring			3176 8640 90	25 pieces		

[a] 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.

BAL-1A – WITH TEFLON SEALS

Intended for operating either fully open or fully closed.

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

Technical data

BAL

Maximum working pressure: 16 bar.

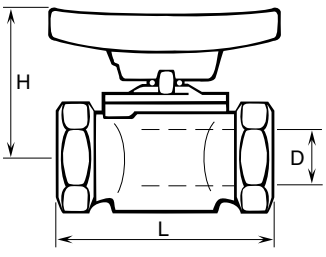
Working temperature range: -20°C to +90°C.

BAL-1A

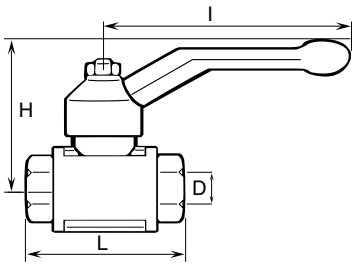
Maximum working pressure: 16 bar (BAL-1A 40 and 50: max. 16 bar up to +100°C).

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

Dimensions



BAL



BAL-1A

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.

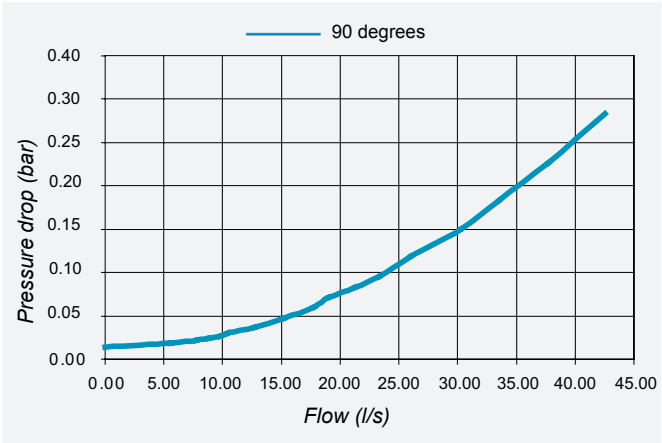
- Ergonomic.
- Reduces hose wear.
- High flow capacity.
- Minimum pressure drop.
- Strong and durable.
- Cover made of EPDM.

Model	Max rec. air flow[a] l/s	cfm	Thread Inlet female in	Outlet male in	Weight g	Length mm	Dia mm	Ordering No.
MultiFlex 1/8" BSP	12	25	1/8	1/8	73	66.2	24	8202 1350 18
MultiFlex 1/4" BSP	12	25	1/4	1/4	73	66.2	24	8202 1350 20
MultiFlex 3/8" BSP	32	68	3/8	3/8	130	80.6	29.5	8202 1350 22
MultiFlex 1/2" BSP	32	68	1/2	1/2	125	80.6	29.5	8202 1350 24
MultiFlex 1/8" BSP[b]	12	25	1/8	1/8	76	66.2	27	8202 1350 40
MultiFlex 1/4" BSP[b]	12	25	1/4	1/4	76	66.2	27	8202 1350 41
MultiFlex 1/2" BSP[c]	54	114	1/2	1/2	326	98.3	39	8202 1350 60

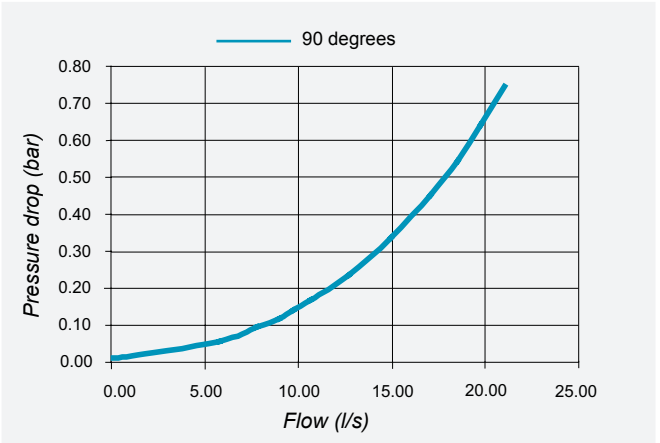
[a] The pressure drop will be 0.2 bar at an inlet pressure of 6 bar.
[b] With cover.
[c] HIGH FLOW.

FLOW CHART

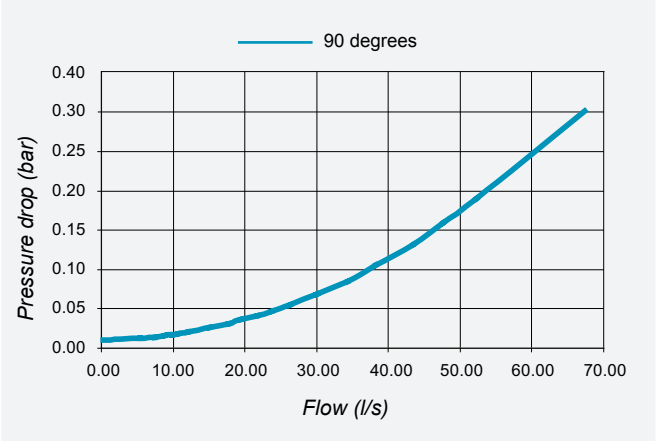
MULTIFLEX 1/2" OR 3/8"



MULTIFLEX 1/8" OR 1/4"



MULTIFLEX HIGH FLOW



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

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

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

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

HOSE CONNECTION

Male thread – hose nipple

Thread in	Hose size mm	Hose size in	Ordering No.
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 BSP	20	3/4	4150 0429 00
3/4 BSPT	20	3/4	9000 0245 00
1 BSPT	25	1	9000 0246 00

GASKETS

For couplings with male parallel thread	Fiber gasket between material and nipple Ordering No.
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

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

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	1/4 BSP	9721 4002 89
12/10	3/8 BSP	9721 4000 88
15/12.5	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	9721 4002 88
12/10	9721 4000 91
15/12	9721 4002 85

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

MANIFOLDS

3/8 inlet on each side, 1/4 outlets for couplings

Thread		Number of outlets	Ordering No.
Inlet in	Outlet in		
3/8 BSP	1/4 BSP	4	9090 0201 00
3/8 BSP	1/4 BSP	5	9090 0201 01
3/8 BSP	1/4 BSP	6	9090 0201 02

MANIFOLDS

3/8 inlet on each side, 1/4 outlet on both sides for couplings

Thread		Number of outlets	Ordering No.
Inlet in	Outlet in		
3/8 BSP	1/4 BSP	4	9090 0201 10
3/8 BSP	1/4 BSP	6	9090 0201 11
3/8 BSP	1/4 BSP	8	9090 0201 12
3/8 BSP	1/4 BSP	10	9090 0201 13

Fittings

Y-CONNECTIONS

2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
F/F/M08	1/4 BSP	1/4 BSP	9090 0201 86
F/F/M10	3/8 BSP	3/8 BSP	9090 0201 87
F/F/M15	1/2 BSP	1/2 BSP	9090 0201 85

PIPE TEE

Model	Female threads in	Ordering No.
F08	1/4 BSP	9090 0201 51
F10	3/8 BSP	9090 0201 53
F15	1/2 BSP	9090 0201 50
F20	3/4 BSP	9090 0201 52
F25	1 BSP	9090 0201 54

PIPE CROSS

Model	Female thread in	Ordering No.
F08	1/4 BSP	9090 0201 21
F10	3/8 BSP	9090 0201 22
F15	1/2 BSP	9090 0201 20

BRANCH TEE

2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
2xF08 1xM08	1/4 BSP	1/4 BSP	9090 0201 61
2xF10 1xM10	3/8 BSP	3/8 BSP	9090 0201 63
2xF15 1xM15	1/2 BSP	1/2 BSP	9090 0201 60
2xF20 1xM20	3/4 BSP	3/4 BSP	9090 0201 62
2xF25 1xM25	1 BSP	1 BSP	9090 0201 64

CROSS

3 female threads and 1 male thread

Model	Female thread in	Male thread in	Ordering No.
3xF08 1xM08	1/4 BSP	1/4 BSP	9090 0201 31
3xF10 1xM10	3/8 BSP	3/8 BSP	9090 0201 32
3xF15 1xM15	1/2 BSP	1/2 BSP	9090 0201 30

RUN TEE

2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
F08/M08/F08	1/4 BSP	1/4 BSP	9090 0201 71
F10/M10/F10	3/8 BSP	3/8 BSP	9090 0201 72
F15/M15/F15	1/2 BSP	1/2 BSP	9090 0201 70

PIPE ELBOW

Model	Female thread in	Ordering No
F08	1/4 BSP	9090 0201 40
F10	3/8 BSP	9090 0201 43
F15	1/2 BSP	9090 0201 41
F20	3/4 BSP	9090 0201 42
F25	1 BSP	9090 0201 44

HEX HEAD PLUG

Model	Male thread in	Ordering No.
M08	1/4 BSP	9090 0201 81
M10	3/8 BSP	9090 0201 84
M15	1/2 BSP	9090 0201 80
M20	3/4 BSP	9090 0201 83
M25	1 BSP	9090 0201 82

Pressure drop diagram for straight hoses

This diagram helps you to choose the right hose according to the air consumption of the tool and the length of the hose. The purpose of the diagram is to ensure that the pressure drop in the hoses does not exceed 0.2 bar.

HOW TO READ THE DIAGRAM:

Look up the tools required air consumption at 6 bar.

Use this value in the diagram .

What length of hose do you need?

Look at the diagram to see which hose size you need.

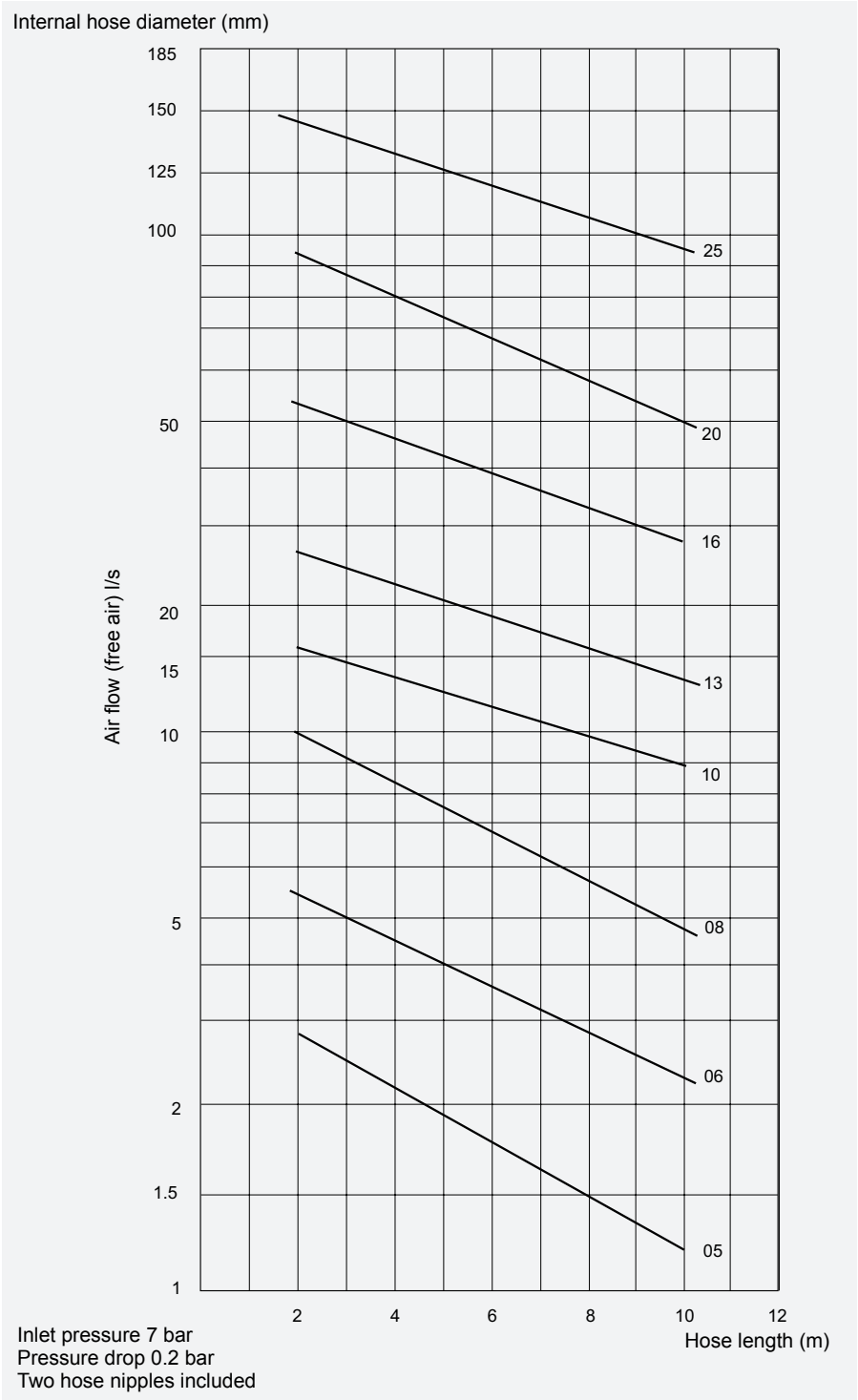
Decide which type of hose you need, Atlas Copco Tools has seven different hoses covering all types of needs for pneumatic hand tools.

EXAMPLE

The tool has an air consumption of 10 l/s and the application requires a hose length of 7 m. These two values have a cross point slightly under the 10 mm size hose (7 m of 10 mm hose gives a value of approximately 11 l/s).

Therefore a 10 mm hose will be suitable.

PRESSURE DROP DIAGRAM FOR HOSES



CABLAIR HOSES

SUPER-LIGHT FLEXIBLE PVC-HOSE

Cablair is made of high-strength, high performance PVC compound. The Cablair 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.

- Low weight.
- Extremely soft and flexible.
- Silicone free.
- Ergonomic.
- Working temperature -15ºC to +60ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Weight per 30 m coil kg	Ordering No.
CABLAIR 06	6	1/4	8.5	14	4	1.2	9093 0035 11
CABLAIR 08	8	1/3	11	14	7.5	1.7	9093 0035 41
CABLAIR 10	10	2/5	13	12	13	2.1	9093 0035 71
CABLAIR 13	12.5	1/2	16	11	21	3.0	9093 0036 01
CABLAIR 16	16	5/8	21	8	43	5.4	9093 0036 31
CABLAIR 20	19	3/4	24	8	75	5.8	9093 0036 61
CABLAIR 25	25	1	31.5	7	125	10.4	9093 0036 91

[a] With a safety factor of 3 at 20ºC (at the max temp of +60ºC the working pressure should be reduced by 50%).

[b] The pressure drop will be 0.2 bar on a hose length of 5 m.

CABLAIR ESD

EXTRA FLEXIBLE ANTISTATIC AIR HOSE

Cablair ESD is 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 -15ºC to +60ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Hose outside dia in	Max working pressure [a] bar	Max rec. air flow l/s	Weight per 30 m coil kg	Ordering No.
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

[a] With a safety factor of 3 at 20ºC (at the max temp of +60ºC the working pressure should be reduced by 50%).

PVC HOSES

STRONG PVC HOSE FOR HEAVY-DUTY APPLICATIONS

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 -15ºC to +60ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Weight per 30 m coil kg	Ordering No.
PVC 03	3.2	1/8	7	20	0.7	1.4	9093 0037 21
PVC 05	5	3/16	9	10	2.1	1.9	9093 0037 51
PVC 06	6.3	1/4	11	10	4	2.5	9093 0037 81
PVC 08	8	5/16	12	10	7.5	2.9	9093 0038 11
PVC 10	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	10	75	8.3	9093 0039 31
PVC 25	25	1	32	10	125	12.5	9093 0039 61

[a] With a safety factor of 3 at 20ºC (at the max temp of +60ºC the working pressure should be reduced by 50%).

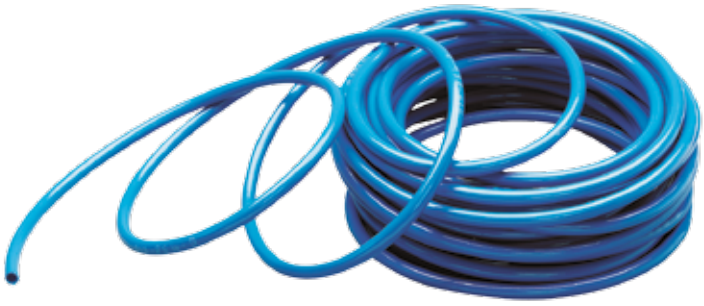
[b] The pressure drop will be 0.2 bar on a hose length of 5 m.

POLUR

HIGH RESISTANT POLYURETHANE HOSE

Polur hose is the most environmentally friendly solution. It has high resistance to abrasion and it is oil resistant. Polur hose has a much longer lifetime than PVC hoses. 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 -30ºC to +60ºC.



Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Weight per 25 m coil kg	Ordering No.
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

[a] With a safety factor of 3 at 20ºC (at the max temp of +60ºC the working pressure should be reduced by 50%).

[b] 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

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. Turbo hose is oil resistant.

- Extremely low weight.
- Soft and flexible.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -30ºC to +70ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Weight per 20 m coil kg	Weight per 30 m coil kg	Ordering No.
TURBO 13	13	1/2	19	20	21	3.9	–	9093 0057 91
TURBO 13	13	1/2	19	20	21	–	5.9	9093 0057 93
TURBO 16	16.8	2/3	22.8	20	43	4.8	–	9093 0057 31
TURBO 16	16.8	2/3	22.8	20	43	–	7.2	9093 0057 33
TURBO 20	21	5/6	27	20	75	5.4	–	9093 0057 61
TURBO 20	21	5/6	27	20	75	–	8.1	9093 0057 62

[a] With a safety factor of 3 at 20°C.

[b] 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.

RUBBER

DURABLE REINFORCED EXTRA THICK HEAVY DUTY RUBBER HOSE

The hose withstands rough handling and is suitable for the most demanding tasks in construction, mining, shipyards, foundries etc. The inner lining is black EPDM rubber, conductive to dissipate static electricity. Reinforcement with high tensile strength made of syntetic textile yarns.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -25ºC to +70ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Length m	Weight kg	Ordering No.
RUBBER	6.3	1/4	12	16	4	30	3.5	9030 2036 00
RUBBER	10	3/8	17	16	13	30	6.9	9030 2037 00
RUBBER	12.5	1/2	22	16	21	30	12.3	9030 2038 00
RUBBER	16	5/8	25	16	43	30	13.9	9030 2039 00
RUBBER	20	3/4	30	16	75	30	19.3	9030 2040 00
RUBBER	20	3/4	30	16	75	20	12.9	9030 2040 03
RUBBER	25	1	36	16	125	30	24.0	9030 2041 00
RUBBER	25	1	36	16	125	20	16.0	9030 2041 03

[a] With a safety factor of 5 at 20°C.

[b] 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

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

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -20ºC to +80ºC.

Model	Hose inside dia mm	Hose inside dia in	Hose outside dia mm	Max working pressure [a] bar	Max rec. air flow [b] l/s	Weight per 20 m coil kg	Ordering No.
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

[a] With a safety factor of 5 at 20°C.

[b] 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

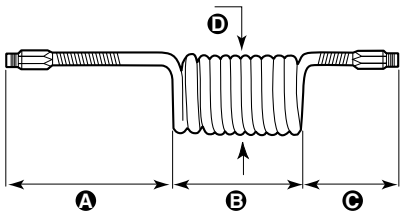
SPI elastic spiral hose is ideal for air tools used at varying distances from a fixed air outlet. It is easily stretched and retracts immediately when released.When used with hand tools, its self-storage principle ensures that the hose is kept off the floor and out of the way of the operator. The SPI 1 and SPI 2 have ball bearing swivels fitted on the long hose side to allow 360º rotation. All spiral hoses, except the SPI4, are fitted with plastic spring guard. 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 23ºC.
- Burst pressure: 25 bar at 23ºC.
- Temperature range: -40ºC to +70ºC.

Model	Hose inside dia mm	Hose outside dia mm	Max. rec. air flow[a] l/s	Working range m	Length (A) mm	Length (B) mm	Length (C) mm	Max spiral dia (D) mm	Male threads in BSP	Ordering No.
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	135	150	98	3/8	8202 0508 82
SPI 3SP-M	11	16	22	4	500	260	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	21	10	500	850	500	115	3/8	8202 0508 90

[a] At inlet pressure 6 bar and pressure drop 0.5 bar.

Dimensions



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.

PRODUCTIVITY KITS FOR SCREWDRIVERS, DRILLS AND GRINDERS

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
For small screwdrivers and small drills with 1/8" BSP air inlet					
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
For screwdrivers and drills with 1/4" BSP air inlet					
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
For 1/2" drills and small nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablair 10 mm	ErgoQIC 08	Yes	8202 0850 07
For 1/2" small nutrunners with 1/4" BSP air inlet					
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
For percussive tools and grinders with 3/8" BSP air inlet incl. whiphose					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
For percussive tools and grinders, incl. whiphose, no tool nipple included					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
For drills and nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablair 13 mm	ErgoQIC 10	Yes	8202 0850 02
For drills and nutrunners with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13-1/4	23 l/s	Cablair 13 mm	ErgoQIC 10	Yes	8202 0850 11
For grinders and nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
For grinders and nutrunners with 1/2" BSP air inlet					
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
For grinders with 1/2" BSP air inlet					
MIDI Optimizer F/RD EQ10-T16	40 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12
For large Turbo grinders with 1/2" BSP air inlet					
MAXI F/R C-T16	60 l/s	Turbo 16 mm	Claw	No	8202 0850 05
For large Turbo grinders with 1/2" BSP air inlet					
MAXI F/RD C-T20	65 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

PRODUCTIVITY KITS FOR IMPACT WRENCHES AND PULSE TOOLS

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
For small impacts and pulse tools with 1/4" BSP air inlet					
MIDI Optimizer F/RD EP EQ08-C08	9 l/s	Cablair 8 mm	ErgoQIC 08	Yes	8202 0850 35
For 1/2" impact wrenches and pulse tools with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablair 10 mm	ErgoQIC 08	Yes	8202 0850 36
For 1/2" impact wrenches and pulse tools with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablair 10 mm	ErgoQIC 08	Yes	8202 0850 37
MIDI Optimizer F/RD EQ10-R10	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 38
For impact wrenches and pulse tools with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablair 13 mm	ErgoQIC 10	Yes	8202 0850 39
For impact wrenches and pulse tools with 1/2" BSP air inlet					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 41

Pre-mounted Hose Kits

PRE-MOUNTED HOSE KITS

Atlas Copco hose kits provides an easy way to choose the right hose and coupling combination for pneumatic tools. Each kit is ready for immediate use without the need of assembly tools.

- Correct combination hose – coupling.
- Leak free hose connections.
- Immediate use.

HOSE KITS

Hose	Hose inside dia mm	Length m	Nipple	Coupling	Air inlet thread nipple	Ordering No.
Cablair	6	5	ErgoNIP 08	ErgoQIC 08	1/8" BSP	8202 1182 01
Cablair	6	5	NIP 08	ErgoQIC 08US	-	8202 1182 16
Cablair	6	5	ErgoNIP 10	ErgoQIC 08	1/8" BSP	8202 1180 67
Cablair	8	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 02
Cablair	8	5	NIP 08	ErgoQIC 08US	-	8202 1182 21
Cablair	8	5	ErgoNIP 10	ErgoQIC 08	1/4" BSP	8202 1180 77
Cablair	10	1.5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 25
Cablair	10	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 03
Cablair	10	5	NIP 10US	ErgoQIC 10US	-	8202 1182 17
Cablair	10	5	ErgoNIP 10	ErgoQIC 08	14" BSP	8202 1180 30
Cablair	12.5	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 79
Cablair	12.5	5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 10
Cablair	12.5	5	NIP 10US	ErgoQIC 10US	-	8202 1182 18
Cablair	12.5	8.5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 20
Cablair	12.5	10	ErgoNIP 10	ErgoQIC 10	-	8202 1182 15
Cablair	16	10	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1182 00
PVC	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 18
PVC	10	5	ErgoNIP 10	ErgoQIC 08	3/8" BSP	8202 1180 31
Rubair	10	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 20
Rubair	10	5	NIP 10US	ErgoQIC 10US	-	8202 1182 23
Rubair	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 43
Rubair	12.5	5	NIP 10US	ErgoQIC 10US	-	8202 1182 24
Rubair	20	5	CLAW	ErgoQIC 10	-	8202 1180 24
Rubair	20	5	CLAW	CLAW	-	8202 1180 29
Turbo	12.5	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1182 07
Turbo	12.5	5	ErgoNIP 10	ErgoQIC 10	1/2" BSP	8202 1180 22
Turbo	12.5	5	NIP 10US	ErgoQIC 10US	-	8202 1182 19
Turbo	16.8	5	ErgoNIP 10	ErgoQIC 10	1/2" BSP	8202 1180 34
Turbo	16.8	5	CLAW	ErgoQIC 10	1/2" BSP	8202 1181 80
Turbo	16.8	5	NIP 15US	ErgoQIC 15US	-	8202 1182 22
Turbo	16.8	10	ErgoNIP 10	ErgoQIC 10	-	8202 1180 46
Turbo	21	20	CLAW	ErgoQIC 10	-	8202 1181 75
Turbo	21	20	CLAW	ErgoQIC 10	1/2" BSP	8202 1182 09

WHIP HOSE KITS

Hose	Hose inside dia mm	Length m	Nipple	Male thread	Ordering No.
Cablair	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 19
Cablair	10	1.5	ErgoNIP 10	1/4" BSPT	8202 1182 30
Cablair	10	1.5	ErgoNIP 10	3/8" BSPT	8202 1182 35
Cablair	10	0.7	ErgoNIP 08	1/4" BSPT	8202 1180 47
PVC	10	0.7	ErgoNIP 08	3/8" BSPT	8202 1180 50
Rubair	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 42
Rubair	10	0.7	ErgoNIP 10	3/8" BSPT	8202 1180 44
Rubair	12.5	0.7	ErgoNIP 10	1/2" BSPT	8202 1180 23
Turbo	16.8	0.5	ErgoNIP 10	1/2" BSPT	8202 1180 28
Rubair	16	0.5	CLAW	1/2" BSPT	8202 1180 37
Turbo	16.8	5	CLAW	1/2" BSPT	8202 1181 95

HM LIGHT

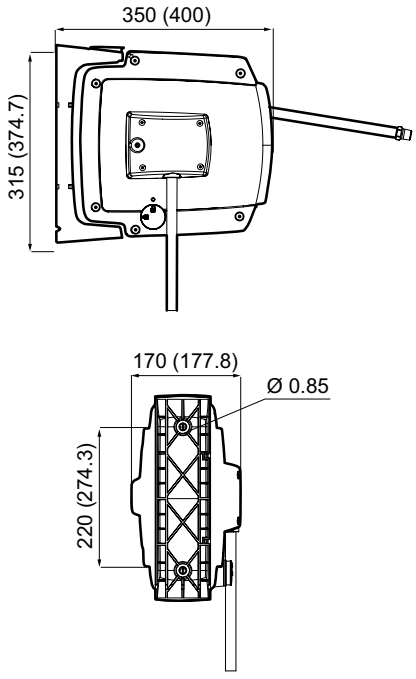
The HM Light has a robust design with a high impact composite casing. The outlet slot is optimized to provide an ideal pull-out angle for the hose. The HM Light is recommended for small and medium screwdrivers, small and medium pulse tools, small drills, impact wrenches up to 1/2" size and riveting and chipping hammers.

- Snap-on, pivoting wall bracket.
- PVC/PUR hose.
- Hose end provided with pressed fitting and steel spiral hose protector (NPT and BSP).
- Hose easily replaced when needed.
- Drum with ball bearings on both sides.
- Working temperature: 0°C - +50°C.
- Inlet hose length: 1 m.

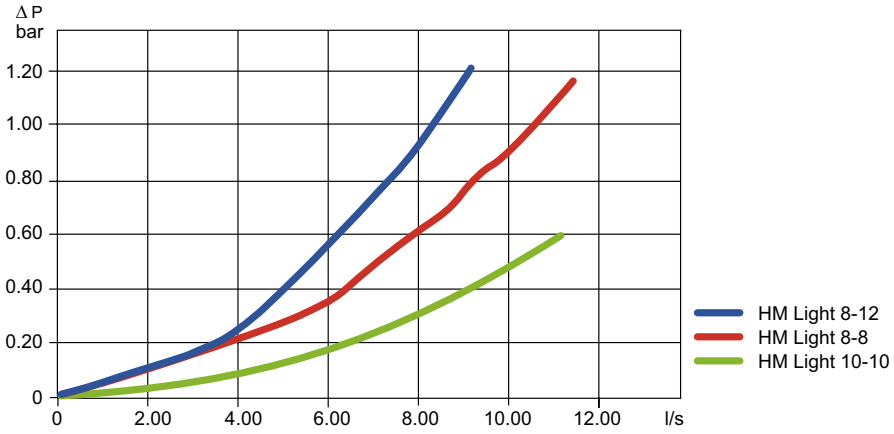
Model	Hose length m	Hose type	Hose inside dia mm	Hose inside dia in	Connection inlet hose inside dia (cut of hose) mm	Connection distribution hose BSP	Max working pressure bar	Economical air flow (at 0.2 bar pressure drop) l/s	Max air flow capacity (at 0.5 bar pressure drop) l/s	Weight kg	Ordering No.
HM LIGHT 8-8	8	PVC/PUR	8	5/16	10	1/4	12	4	7	3	8202 1183 30
HM LIGHT 8-12	12	PVC/PUR	8	5/16	10	1/4	15	3	5	5	8202 1183 31
HM LIGHT 10-10	10	PVC/PUR	10	3/8	10	3/8	15	6	10	5	8202 1183 32

Dimensions

HM LIGHT 8-8 (8-12)



FLOW CHART.



HM OPEN

The HM Open has an open composite casing, steel frame and 10 mm or 13 mm hose. HM Open is a reliable, medium sized hose reel recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and grinders up 1000 W.

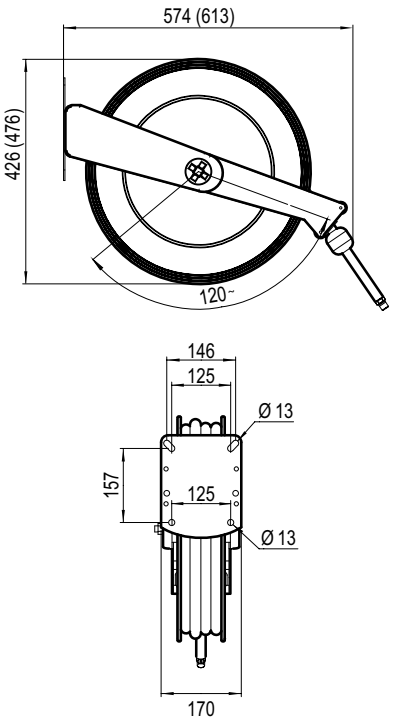
- Spatter resistant rubber hose.
- Outlet roller position can be adjusted through 120 degrees for optimal pull-out angle.
- Hose end provided with steel spiral hose protector (NPT and BSP).
- Latch function is easily disengaged.
- Spring tension is easily adjusted.
- Floor, wall or ceiling mounting.
- Working temperature: -10°C - +60°C.
- Max working pressure: 15 bar.
- Inlet hose length: 1 m.

Model	Hose length m	Hose type	Hose inside dia mm	Hose inside dia in	Connection inlet hose inside dia (cut of hose) mm	Connection distribution hose BSP	Economical air flow (at 0.2 bar pressure drop) l/s	Max air flow capacity (at 0.5 bar pressure drop) l/s	Weight kg	Ordering No.
HM OPEN 10-15	15	Rubber	10	3/8	12.5	3/8	5	9	11	8202 1183 33
HM OPEN 10-20	20	Rubber	10	3/8	12.5	3/8	5	7	14	8202 1183 34
HM OPEN 12-10	10	Rubber	12.5	1/2	12.5	1/2	13	22	12	8202 1183 35
HM OPEN 12-15	15	Rubber	12.5	1/2	12.5	1/2	11	17	13	8202 1183 36

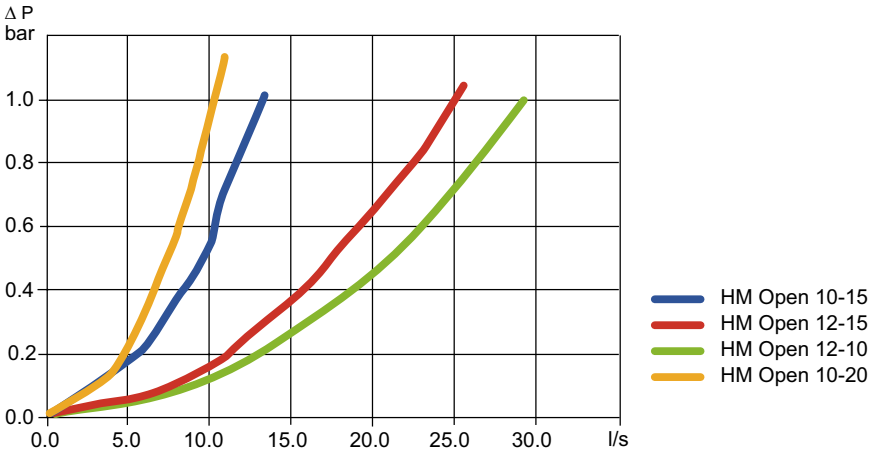
Pivoting wall brackets needs to be ordered separately.

Dimensions

HM Open 12-10 (12-15)



FLOW CHART.



Accessories

	Ordering No.
Pivoting wall bracket	4390 2080 10

HM OPEN XL

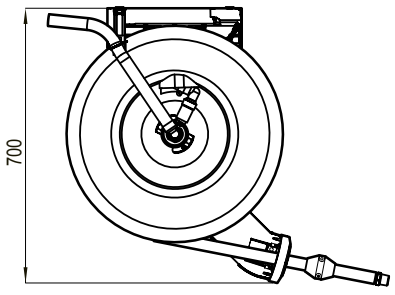
Hose reels in the HM Open XL series have an open die cast aluminium casing and 3/8" or 1/2" hose. HM Open XL hose reels are recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and high powered grinders.

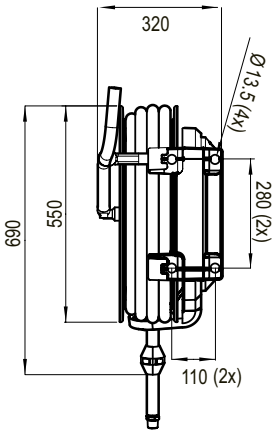
- Spatter resistant rubber hose.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -10°C - +60°C.
- Max working pressure: 15 bar.
- Inlet hose length: 1 m.

Model	Hose length m	Hose type	Hose inside dia mm	Hose inside dia in	Connection inlet hose inside dia (cut of hose) mm	Connection distribution hose BSP	Economical air flow (at 0.2 bar pressure drop) l/s	Max air flow capacity (at 0.5 bar pressure drop) l/s	Weight kg	Ordering No.
HM OPEN XL 12-20	20	Rubber	12.5	1/2	12.5	1/2	8	14	27	8202 1183 37
HM OPEN XL 12-30	30	Rubber	12.5	1/2	12.5	1/2	8	12	28	8202 1183 38
HM OPEN XL 19-15	15	Rubber	19	3/4	19	3/4	27	44	28	8202 1183 39
HM OPEN XL 25-10	10	Rubber	25	1	25	1	60	95	30	8202 1183 40

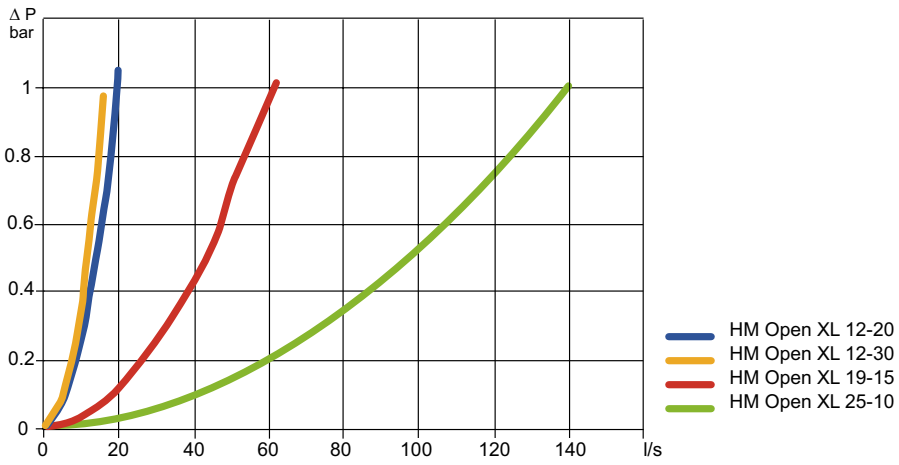
Pivoting wall brackets needs to be ordered separately.

Dimensions





FLOW CHART.



Accessories

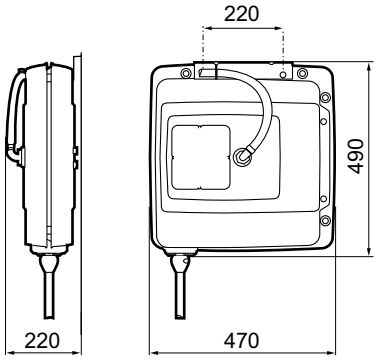
	Ordering No.
Pivoting wall bracket	4390 2080 11

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

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.

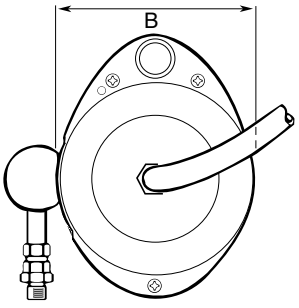
Model	Capacity range kg	Capacity range lb	Max rec. air flow[a] l/s	Hose travel m	Weight kg	Weight lb	Max working pressure bar	Dimensions A mm	Dimensions B mm	Dimensions C mm	Ordering No.
HRIL 1	0.2-0.5	0.4-1.1	3.5	1.2	1.2	2.6	10	92	132	173	8202 0600 03
HRIL 3	0.5-1.4	1.1-3.1	5.5	1.0	1.2	2.6	10	92	132	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

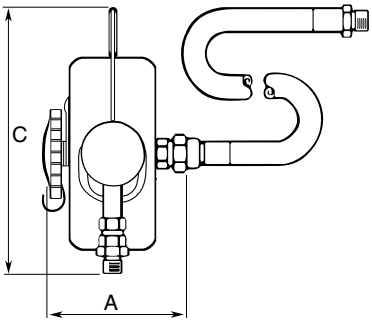
[a] At inlet pressure of 6 bar pressure drop is 0.4 bar.

Air line fittings

All models have a BSP 1/4" inlet fitting.
HRIL 1 supplied with M5 and BSP 1/8" outlet fittings.
HRIL 3 supplied with BSP 1/8" and BSP 1/4" outlet fittings.
HRIL 4 supplied with BSP 1/4" outlet fitting.

Dimensions





Optional Accessories

Designation	Ordering No.
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.

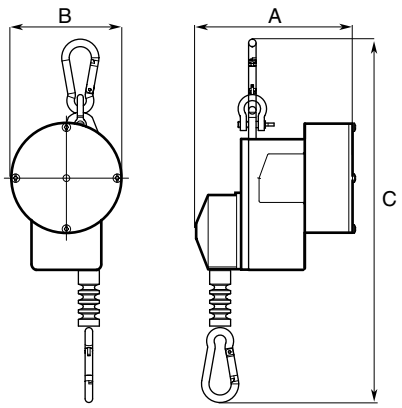
The cable locks in the event of spring failure (downward braking power).

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.

Model	Capacity range kg	Capacity range lb	Cable length m	Weight kg	Weight lb	Dimensions A mm	Dimensions B mm	Dimensions C mm	Ordering No.
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

NOTE: Comes with nylon cable.

Dimensions



Optional Accessories

SAFETY CHAIN

	Ordering No.
COL 1	4391 4045 90

RIL BALANCER

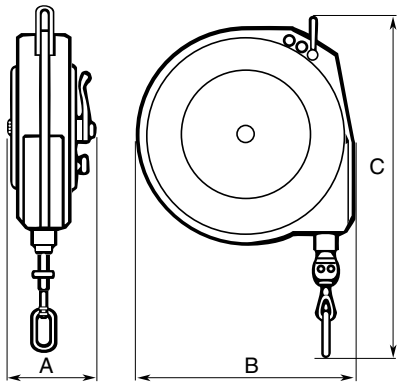
RIL balancers always keep the tool in place, handy and easily accessible. RIL balancers are available as retractors or weightless positioning balancers.

Safety chain included with all RIL balancers.

RIL RETRACTORS

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

Dimensions



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

[a] Balancer equipped with automatic safety drum lock in case of spring failure.

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

Accessories

SAFETY CHAIN

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

WP BALANCER

Weightless positioning balancers with a cone-shaped drum hold the load and keep it weightless throughout the entire cable length. The casing for WP 05/10 are in plastic, the WP 20 in aluminium and the WP 30 models are in abrasion resistant aluminium.

All models except for the WP 20 comes with a swiveling safety hook.

PRODUCTIVITY

WP balancers always hold the tool in the correct position and minimize worker fatigue.

ERGONOMIC

WP balancers reduce stress level in the operator's muscles.

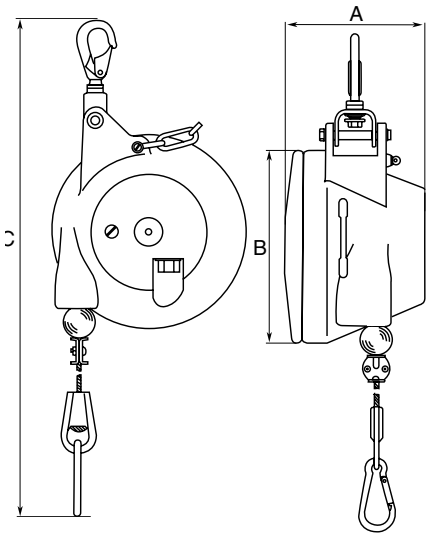
SAFETY

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

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

Model	Capacity range kg	Capacity range lb	Cable length m	Cable length ft	Weight kg	Weight lb	Dimension A mm	Dimension B mm	Dimension C mm	Ordering No.
WP 05 - Standard										
WP 05-1	0.4-1.2	0.9-2.6	2	6.5	1.3	2.9	71	141	460	8202 0778 00
WP 05-3	1.2-2.6	2.6-5.7	2	6.5	1.4	3.1	71	141	460	8202 0778 01
WP 05-4	2.6-3.8	5.7-8.4	2	6.5	1.5	3.3	71	141	460	8202 0778 02
WP 05-5	3.8-5.2	8.4-11.5	2	6.5	1.5	3.3	71	141	460	8202 0778 03
WP 05-6	5.2-6.5	11.5-14.3	2	6.5	1.5	3.3	71	141	460	8202 0778 04
WP 05 - Extended Cable - A										
WP 05-1-A	0.4-1.2	0.9-2.6	5.5	18	1.3	2.9	71	141	460	8202 0778 05
WP 05-3-A	1.2-2.6	2.6-5.7	5.5	18	1.4	3.1	71	141	460	8202 0778 06
WP 05-4-A	2.6-3.8	5.7-8.4	5.5	18	1.5	3.3	71	141	460	8202 0778 07
WP 05-5-A	3.8-5.2	8.4-11.5	5.5	18	1.5	3.3	71	141	460	8202 0778 08
WP 05-6-A	5.2-6.5	11.5-14.3	5.5	18	1.5	3.3	71	141	460	8202 0778 09
WP 10 - Standard										
WP 10-3	3-5	6.6-11	2	6.5	2.9	6.4	130	188	521	8202 0779 00
WP 10-4.5	4.5-7	10-15.4	2	6.5	3.1	6.8	130	188	521	8202 0779 01
WP 10-6	6-10	13-22	2	6.5	3.2	7.0	130	188	521	8202 0779 02
WP 10-9	9-14	20-31	2	6.5	3.4	7.5	130	188	521	8202 0779 03
WP 10-13	13-17	29-37	2	6.5	3.6	8.0	130	188	521	8202 0779 04
WP 10-16	16-21	35-46	2	6.5	3.8	8.4	130	188	521	8202 0779 05
WP 10 - Extended Cable - A										
WP 10-3-A	3-5	6.6-11	5.5	18	2.9	6.4	130	188	521	8202 0779 06
WP 10-4.5-A	4.5-7	10-15.4	5.5	18	3.1	6.8	130	188	521	8202 0779 07
WP 10-6-A	6-10	13-22	5.5	18	3.2	7.0	130	188	521	8202 0779 08
WP 10-9-A	9-14	20-31	5.5	18	3.4	7.5	130	188	521	8202 0779 09
WP 10-13-A	13-17	29-37	5.5	18	3.6	8.0	130	188	521	8202 0779 10
WP 10-16-A	16-21	35-46	5.5	18	3.8	8.4	130	188	521	8202 0779 11
WP 20 - Standard										
WP 20-15	15-25	33-55	2	6.5	7.8	17.2	152	218	521	8202 0780 00
WP 20-25	25-35	55-77	2	6.5	8.9	19.6	152	218	521	8202 0780 01
WP 20-35	35-45	77-99	2	6.5	9.5	21.0	152	218	521	8202 0780 02
WP 20-45	45-55	99-121	2	6.5	9.8	21.5	152	218	521	8202 0780 03
WP 30 - Standard										
WP 30-12	12-20	26-44	2	6.5	14.8	32.6	203	285	749	8202 0781 00
WP 30-20	20-30	44-66	2	6.5	15.2	33.5	203	285	749	8202 0781 01
WP 30-30	30-45	66-99	2	6.5	16.9	37.3	203	285	749	8202 0781 02
WP 30-45	45-60	99-132	2	6.5	17.3	38.1	203	285	749	8202 0781 03
WP 30-60	60-75	132-165	2	6.5	18.7	41.2	203	285	749	8202 0781 04
WP 30-75	75-90	165-198	2	6.5	19.7	43.4	203	285	749	8202 0781 05
WP 30-90	90-100	198-220	2	6.5	19.9	43.4	203	285	749	8202 0781 06
WP 40 - Standard										
WP 40-100	100-115	220-254	3	10	42.0	43.9	348	320	800	8202 0782 00
WP 40-115	115-130	254-287	3	10	44.0	97.0	348	320	800	8202 0782 01
WP 40-130	130-140	287-309	3	10	46.0	101	348	320	800	8202 0782 02
WP 40-140	140-150	309-331	3	10	48.0	106	348	320	800	8202 0782 03

Dimensions



BLOW GUN BG-SERIES

Atlas Copco blow guns BG-series are hard wearing, user friendly solution for all cleaning applications. The plastic body offer flexibility in handling for both left and right handed users, it insulate against cold and it reduce the risk of scratches to worksurfaces. The blow gun has excellent throtteling properties allowing easy regulation of the air flow. The blow guns have air inlet thread in brass that is fully covered by the plastic body. Two versions available with star tip to reduce risk of damages or injuries if the tube is pressed against workpiece or skin.

- High flow capacity
- Suspension
- Plastic body to avoid scratches
- Air inlet thread in brass
- Star tip availability for improved safety

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