



*Atlas Copco*



**Industrial Tools  
for Fabrication  
and Maintenance**

# ***SUSTAINABLE PRODUCTIVITY FOR HEAVY INDUSTRY WORLDWIDE***

Atlas Copco power tools are frequently used for fabrication and maintenance operations in industrial sectors, such as foundries, metal fabrication, mining, offshore and rail.

We are leading the way within tool technology. Our tools offer outstanding power-to-weight ratios designed for maximum performance without sacrificing operator comfort and safety.

Most important of all, they are designed to help you achieve sustainable productivity with lowest possible operating costs.

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# ***METAL FABRICATION***

## **SHAPING THE FUTURE**

Cutting, bending, and assembling. Shaping metals to perfection includes an extensive range of different techniques. The steady growing business with increasing demand for quality and shorter delivery times require processes and tools that keep delivering, with repeatable quality. From blacksmiths in the days, in today's aerospace and automotive industry to whatever the future brings. From the small details to the big picture.



A large industrial ladle is shown pouring molten metal in a foundry. The metal is bright orange and yellow, and a large plume of smoke or steam rises from the ladle. In the foreground, a cutting process is taking place, creating a shower of bright sparks. The background shows the complex structure of the foundry with various pipes and machinery.

# ***FOUNDRIES***

## **TAMING FIRE**

The art of molding, casting and controlling liquid metal has given us benefits since thousands of years BC. Modern day foundries build upon the same principles. And just as in any other business there is an increasing demand to produce more, bigger and better. Not an easy task in rough conditions as in a foundry. Taming fire, or plainly getting the job done.





# ***MINING MRO***

## **BREAKING GROUND**

From prehistoric times, no matter what earth has had to offer – stone, salt, gold – we have been mining. And we will keep on mining. Extracting valuables from the ground, using better tools and techniques as we move forward. Working conditions on a mining site are often extremely rough. This places high demands on vehicles, operators and tools. And if you want to be a part of this fascinating business – you really need to be groundbreaking.







# ***OFFSHORE***

## **WHEN THE GOING GETS TOUGH**

Man has always wanted to explore, trade and expand – we started by foot and then found courage, and the means to conquer the sea. This curiosity had us building ships ever since the end of the ice age. Many things have changed since then, but the innovative strive remains. Constructed near tidal rivers and by the sea – dockyards are full of history, very much in the present and aiming for the future, whether you are building an oil platform or a LNG carrier.





# ***RAIL MRO***

## **TAKING IT FURTHER**

Ever since the first railway system appeared in 1820, progress has brought us reliable speed and endurance. From traditional horse power to pure machine power – taking it further than ever. The increasing focus on rail-bound transportation has resulted in higher production levels and new demands for everyone in the business. This is where a trail becomes a track, and a vision becomes a rail.

# ***Material removal tools***

## ***CONTENT***

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# Rough grinding and cutting off













Working in a tough environment places high demands on the tools and on the operator. The high power-to-weight ratios of our tools make them comfortable to work with and gives you a superior material removal rate with minimum effort. They are powerful and built to last.

Our tools are available in all sizes and power outputs. Whether it's a small, one-handed angle grinder or a 4.5 kW machine, both offer you superior productivity. Our range of grinders includes both vertical and straight versions to cover all needs in a rough grinding environment.

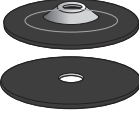

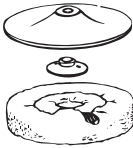

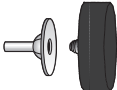
**DIE GRINDING AND DEBURRING**

- 1 Carbide burrs 
- 2 Mounted points 

**ROUGH GRINDING AND CUTTING OFF**

- 3 Depressed center wheels 
- 4 Cut off wheels 
- 5 Cup wheels 
- 6 Flap wheels 
- 7 Straight wheels 
- 8 Cone wheels 

**SANDING AND POLISHING**

- 9 Fibre discs 
- 10 Wire brushes 
- 11 Polishing bonnets 
- 12 Radial flap wheels 
- 13 Scotch-Brite 

# Grinders

*Extreme productivity  
for cut-off and depressed center wheels*



GTG25



LSV48



GTG40

Extreme productivity grinders are suitable for all rough and heavy grinding tasks.

Our **GTG** models are powered by a motor with the latest turbine technology which gives extremely high power-to-weight ratios compared to normal vane motors. This means that you can select a lighter, more compact tool without sacrificing the material removal rate.

Compared to a vane motor, a turbine motor provides up to 40 percent more efficiency for the same specific job and at the same time reduces the total energy consumption.

**LSV** grinders have been optimized to get the highest power-to-weight ratio available for conventional vane motors.

They are developed to be durable with low service requirements.

Model	Max free speed r/min	Max output hp	Max wheel dia in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Auto-balancer	Air inlet thread NPT in	Ordering No.
GTG25 F120-527	12000	3.3	5"	UNC 5/8"	0.9	5.1	2.3	68	19	5/8"	•	3/8"	8423 2525 06
GTG25 F085-727	8500	3.3	7"	UNC 5/8"	0.9	5.3	2.3	68	19	5/8"	•	3/8"	8423 2525 07
GTG40 S077-727	7700	6.1	7"	UNC 5/8"	0.9	9.5	5.2	126	42	5/8"	•	1/2"	8423 0715 09
GTG40 S060-727	6000	6.1	7"	UNC 5/8"	0.9	9.5	5.2	126	42	5/8"	•	1/2"	8423 0715 07
GTG40 S060-927	6000	6.1	9"	UNC 5/8"	0.9	9.5	5.2	126	42	5/8"	•	1/2"	8423 0715 05
LSV48 SA085-727	8500	2.5	7"	UNC 5/8"	1.0	6.2	3.4	76	36	5/8"	•	1/2"	8423 0707 52
LSV48 SA120-527	12000	2.5	5"	UNC 5/8"	1.0	5.5	3.4	76	36	5/8"	•	1/2"	8423 0707 53
LSV48 SA066-727	6600	2.5	7"	UNC 5/8"	1.0	6.2	3.4	76	36	5/8"	•	1/2"	8423 0707 54

## Accessories

Accessories Extreme Productivity Grinders	GTG25	GTG40	LSV48
Back flange ANSI 5"	4175 0644 00	-	4150 1731 00
Back flange ANSI 7"	4175 0646 00	-	4170 0448 00
Back flange ANSI 9"	-	-	-
Flange nut	4175 0645 00	-	4170 0220 01
Flange locking kit	4170 1188 94	-	4170 1188 94
Flange cut off wheel 7"	4175 0645 02	-	-
Washer 5"	4175 0643 00	-	4170 0220 01
Washer 7"	4175 0643 02	-	4170 0220 01
Attachment set	-	4170 1148 80	-
Support handle	4175 0705 90	4110 1355 88	4175 0868 82
Vibration damped handle	4150 1521 80	4150 1521 80	4150 1521 80
Positioner for support handle	-	4175 0164 90	-
Spot suction for diamond cutting wheel			
Kit Ø 180 mm	3780 4090 35	-	-
Spot suction kit for depressed center wheel			
Kit Ø 180 mm	3780 4090 30	-	-
<b>Add on spot suction spot suction</b>			
Ø 125 mm	3780 4032 14	-	-
<b>Diamond cutting wheel</b>			
Ø 5"	3780 5074 61	-	3780 5074 61
Ø 7"	3780 5074 62	3780 5074 62	3780 5074 62
Multiflex	8202 1350 28	8202 1350 62	8202 1350 62

\*For LSV48 SA 085, 8423 0132 02, see Sanders pages



Spot suction depressed center wheel



Add on spot suction

**NEED BETTER  
AIR FLOW?**

Check out our full range of Air Line accessories in chapter Air Line Installation.

# Grinders

for cut-off and depressed center wheels, dia. 3"-7"



LSV39

These grinders are used for general purpose grinding and cutting off in applications with high demands on productivity and ergonomics.

**LSV 19/29/39** grinders are ergonomically designed tools with high power-to-weight ratios. They can be used as one-handed angle grinders. Low vibrations and low noise levels mean that you can work with them all day without strain.



LSV19

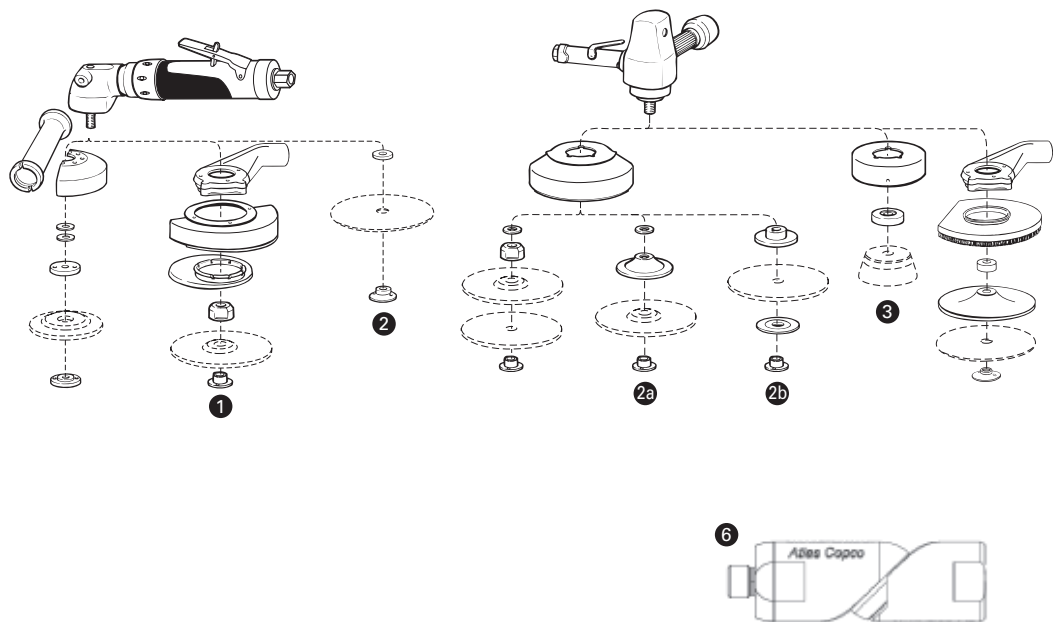


LSV29

Model	Max free speed r/min	Max output hp	Max wheel diameter in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Ordering No.
LSV19 S170-327	17000	0.6	3"	3/8 UNF	0.7	1.6	2.8	23	14	3/8"	1/4"	8423 0705 80
LSV29 ST13-100E	13000	1.1	4"	3/8-24 UNF	16.6	3.7	2.8	55	30	3/8"	3/8"	8423 0127 49
LSV29 ST12-100	12000	1.1	4"	3/8-24 UNF	17	3.7	3	43	16	3/8"	3/8"	8423 0127 45
LSV29 ST12-115	12000	1.1	4.5"	3/8-24 UNF	17	3.7	3	43	16	3/8"	3/8"	8423 0127 46
LSV29 ST12-125	12000	1.1	5"	3/8-24 UNF	17	3.7	3	43	16	3/8"	3/8"	8423 0127 47
LSV29 S060-180	6000	1.1	7"	5/8-11 UNC	32	5.5	3.5	42	15	1/2"	3/8"	8423 0127 39
LSV39 ST12-527	12000	2.4	5"	5/8-11 UNC	0.94	4	3.7	63	37	1/2"	3/8"	8423 0133 02
LSV39 ST12-427	12000	2.4	4"	3/8-24 UNF	0.87	4	3.4	63	37	1/2"	3/8"	8423 0133 08
LSV39 S085-5/8	8500	2.4	7"	5/8-11 UNC	1.1	3.5	3.8	61.1	33.7	1/2"	3/8"	8423 0133 03

# Accessories

Accessories Grinders	LSV19	LSV29	LSV29	LSV39	See illustration
Back flange ANSI 5"	-	-	-	4150 1731 00	2
Back flange ANSI 4"	-	4150 1491 00	4150 1982 21	4150 1491 00	2
Flange nut 5"	-	-	-	4170 0220 01	6
Flange nut 4"	-	4150 1492 00	4150 1982 22	-	4
Flange nut kit	4150 1158 80	-	-	-	1
Flange nut cut off	-	-	4150 1982 22	4150 1160 00	-
Flange locking kit 5"	-	-	-	4170 1188 92	-
Washer threaded discs	-	-	-	4175 0879 80	7
Support handle	-	-	-	4175 0868 80	-
Support handle	-	-	-	4150 1521 80	-
Multiflex	8202 1350 26	8202 1350 28	8202 1350 28	8202 1350 30	-



# Productivity Kits

Model	Air inlet BSP	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI F/RD EQ10-T16	1/2"	31 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12

# Grinders

for cup wheels & wire brushes

For rough grinding on open surfaces with cup wheels or wire brushes. Applications of this type call for tools with high power outputs.

**GTG40** is powered by a turbine motor, which gives an extremely high power-to-weight ratio compared to a vane motor. In addition, the efficiency of a turbine motor is much higher and reduces energy consumption for the same specific job by up to 40% compared to a conventional vane grinder.



GTG40

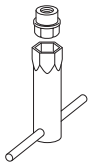
Model	Max free speed r/min	Max output hp	Max cup wheel diameter in	Max brush diameter in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NSP in	Ordering No.
GTG40 S060-611	6000	6.1	6"	5 1/2"	UNC 5/8"	0.9	10.1	5.2	126	42	5/8"	1/2"	8423 0715 00
GTG40 S060-700	6000	6.1	-	5 1/2"	UNC 5/8"	0.9	7.9	5.2	126	42	5/8"	1/2"	8423 0715 03
GTG40 F072-611	7200	6.1	5"	5 1/2"	UNC 5/8"	0.9	10.0	5.2	126	42	5/8"	1/2"	8423 0715 20

## Accessories

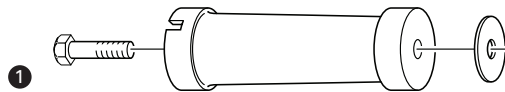
Accessories Grinders	GTG40	See illustration
Support handle	4110 1355 88	1
Vibration damped handle	4150 1521 80	-
Attachment set for cup wheel with plane hole	4175 0178 90	-
Attachment set for Ø4 1/2" wire brush	-	-
Steel wire brush Ø4 1/2" for 5/8" spindle	-	-
Wheel friction plate	4175 0186 90	-
MultiFlex	8202 1350 62	4



Steel wire brush  
Ø 4,5"



Attachment set for  
steel wire brush  
Ø 4,5"



## Productivity Kits

Model	Air inlet NPT	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI F/RD EQ10-T16	1/2"	31 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12
MAXI F/R C-T16	1/2"	43 l/s	Turbo 16 mm	Claw	No	8202 0850 05

# Straight grinders

*for cone wheels*

Straight grinders with cone wheels or collets are suitable for grinding or smoothing of edges, welds, holes and cavities.

**LSR 48** tools are durable and ideal for tougher applications. The LSR 48 has an Autobalancer as standard to minimize vibrations.



LSR48 CW

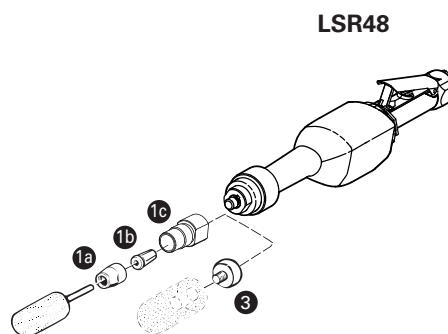
Model	Max free speed r/min	Max output hp	Length in	Weight lb	Spindle thread	Spindle length in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Ordering No.
LSR48 S120-CW	12000	2.4	17.6	5	UNC 5/8"	13/16"	64	28	5/8"	1/2"	8423 0708 02



## Accessories

Model	LSR48	See illustration
<b>Adapter for cone with with thread</b>		
UNC/W 3/8"	-	3
UNF 3/8"	-	3
UNC 1/2"	-	3
UNC/W 5/8"	4150 0945 01	3
<b>Collet type</b>		
Collet type	-	1b
Nut	4150 0849 00	1a
Collet Ø 6 mm	4150 1453 00	1b
Collet Ø 8 mm	4150 0706 00	1b
Collet Ø 9 mm	4150 0765 00	1b
Collet Ø 10 mm	4150 0681 00	1b
Collet Ø 1/4"	4150 1754 00	1b
Collet holder 45mm (1 3/4")	4150 0680 00	1c
<b>MultiFlex</b>		
MultiFlex	8202 1350 62	-

NOTE: Adapters are not included with the tool, and need to be ordered to attach a cone wheel



## Productivity Kits

Model	Air inlet NPT	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI F/RD EQ10-T16	1/2"	31 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12

# Die grinding



Atlas Copco die grinders are available in straight or angle versions in a wide range of sizes and power outputs. All the tools fulfil the highest standards and requirements in terms of ergonomics, accessibility and productivity. Like all Atlas Copco tools, they are easy to work with and built to last.

**Ergonomics and  
productivity  
in perfect harmony**

*Check out our  
Die Grinders on  
YouTube*

# Die grinders

up to 0.7 hp



LSF19

Die grinders are an excellent choice for high quality finishing and surface preparation in applications where accessibility is your first priority.

Atlas Copco die grinders are high quality tools with compact, ergonomic designs that offer excellent accessibility.

**LSF12/19** are straight models, ergonomically designed for operator comfort and equipped with a speed governor for optimum process speed. LSF19 models are available in scatter damping versions, which give improved life length of burrs and reduce vibrations for the operator.

**LSV12/19** are angle versions with the same features as the straight models.

**LSF07** is a high-speed pencil-type tool for precision grinding and polishing.



LSV12



LSV19



LSF07



LSF12

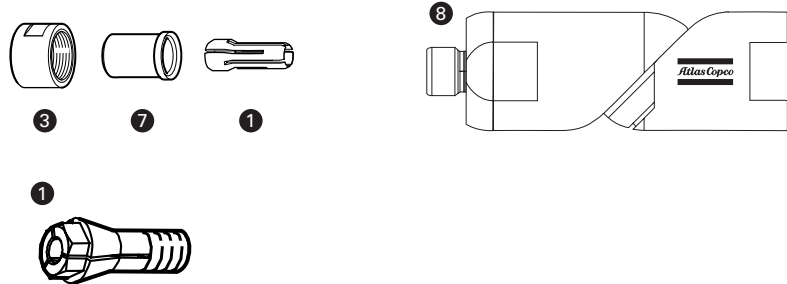
Model	Max free speed r/min	Max output hp	Collet size in	Length in	Weight lb	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Scatter damped	Ordering No.
<b>Straight die grinders</b>											
LSF12 S200-2	20000	0.315	1/4"	6.7	0.8	17.2	5.5	5/16"	1/4"	-	8423 0701 01
LSF12 S250-2	25000	0.391	1/4"	6.7	0.8	18	7.2	5/16"	1/4"	-	8423 0701 02
LSF12 S310-2	31000	0.433	1/4"	6.7	0.8	19.5	8.9	5/16"	1/4"	-	8423 0701 03
LSF12 S400-2	40000	0.48	1/4"	6.7	0.8	20.8	14.8	5/16"	1/4"	-	8423 0701 04
LSF19 S460-2	46000	0.68	1/4"	7.6	1.2	24	31	3/8"	1/4"	●	8423 0703 70
LSF19 S200-2	20000	0.67	1/4"	7.6	1.2	20	7	3/8"	1/4"	●	8423 0703 72
LSF19 S300-2	30000	0.67	1/4"	7.6	1.2	23	14	3/8"	1/4"	●	8423 0703 71
<b>Straight extended die grinders</b>											
LSF19 S200E-2	20000	0.67	1/4"	11.5	1.5	20	7	3/8"	1/4"	●	8423 0703 73
LSF19 S300E-2	30000	0.67	1/4"	11.5	1.5	23	14	3/8"	1/4"	●	8423 0703 74
<b>Angle die grinders</b>											
LSV12 S120-2	12000	0.326	1/4"	6.54	1.19	17.6	6.4	5/16"	1/4"	-	8423 0701 05
LSV12 S200-2	20000	0.39	1/4"	6.54	1.19	20.1	13.6	5/16"	1/4"	-	8423 0701 06
LSV19 S200-2	20000	0.6	1/4"	7.3	1.3	23	15	3/8"	1/4"	-	8423 0703 75
LSV19 S120-2	12000	0.6	1/4"	7.3	1.3	23	15	3/8"	1/4"	-	8423 0703 76
LSV19 S080-2	8000	0.5	1/4"	7.3	1.3	23	13	3/8"	1/4"	-	8423 0703 77
<b>High speed pen</b>											
LSF07 S850	88000	0.13	1/8"	6.8	0.9	4.6	4.9	3/16"	-	-	8423 1222 03

R=Rigid mount

## Accessories

Model	LSF07	LSF/LSV12	LSF/LSV19	See illustration
<b>Collets</b>				
Collet Ø 1/8"	4150 1822 00	4150 2226 46	-	1
Collet Ø 1/4"	-	4150 2226 03	4112 1077 00	1
Collet Ø 3/16"	-	4150 2226 48	-	1
Collet Ø 3 mm	4150 1800 00	-	-	1
Collet Ø 6 mm	-	4150 2226 03	-	1
Collar	-	4150 2226 02	4112 1078 00	7
Collet nut	-	4150 2226 04	4112 1076 00	3
MultiFlex	-	8202 1350 26	8202 1350 26	8

Only for LSF/LSV12



**NEED BETTER  
AIR FLOW?**

Check out our full range of Air Line accessories in chapter Air Line Installation.

# Die grinders

## 0.9 - 1.8 hp

In applications where you want more power but still need accessibility, these die grinders will be your first choice.

**LSF 29/39** die grinders are designed with focus on power and productivity. The tools are equipped with a speed governor for optimum process speed. They are available in scatter damping versions, which give improved life length of burrs and reduced vibrations for the operator.



LSF29



LSF29



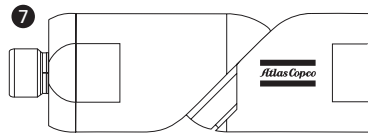
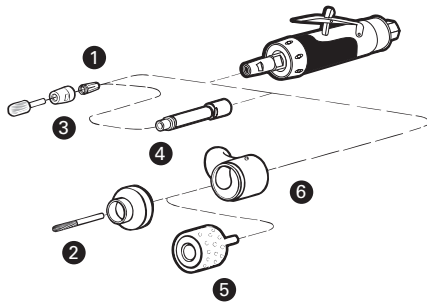
LSF39

Model	Max free speed r/min	Max output hp	Collet size in	Length in	Weight lb	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Scatter damped	Ordering No.
<b>Straight die grinders</b>											
LSF29 S250	25000	1.4	1/4	8.4	1.7	18	47	1/2	3/8	●	8423 0127 11
LSF29 S250-HD	25000	1.4	1/4	8.4	2.6	18	47	1/2	3/8	-	8423 0127 27
LSF29 S180	18000	1.2	1/4	8.4	1.7	13	42	1/2	3/8	●	8423 0127 05
LSF29 S180-HD	18000	1.2	1/4	8.4	2.6	13	42	1/2	3/8	-	8423 0127 25
LSF29 S150	15000	1.1	1/4	8.4	1.7	9	38	1/2	3/8	●	8423 0127 02
LSF29 S120	12000	0.9	1/4	8.4	1.7	7	36	1/2	3/8	●	8423 0127 00
LSF29 S120-HD	12000	0.9	1/4	8.4	2.6	7	36	1/2	3/8	-	8423 0127 23
<b>Straight extended die grinders</b>											
LSF29 S150E	15000	1.1	1/4	13.1	3.1	9	38	1/2	3/8	●	8423 0127 04
LSF29 S180E	18000	1.2	1/4	13.1	3.1	13	42	1/2	3/8	●	8423 0127 08
LSF29 S250E	25000	1.4	1/4	13.1	3.1	18	47	1/2	3/8	●	8423 0127 14
LSF29 S120E-HD	12000	0.9	1/4	13.1	3.5	7	36	1/2	3/8	-	8423 0127 22
LSF29 S180E-HD	18000	1.2	1/4	13.1	3.5	13	42	1/2	3/8	-	8423 0127 24
LSF29 S250E-HD	25000	1.4	1/4	13.1	3.5	18	47	1/2	3/8	-	8423 0127 26
LSF39 S120E	12000	2.0	1/4	14.4	3.6	19.1	51.3	1/2	3/8	●	8423 1233 00
LSF39 S150E	15000	2.3	1/4	14.4	3.6	25.6	58.5	1/2	3/8	●	8423 1233 01
LSF39 S180E	18000	2.5	1/4	14.4	3.6	32.2	65.3	1/2	3/8	●	8423 1233 02
LSF39 S250E	25000	2.5	1/4	14.4	3.6	70.3	69.7	1/2	3/8	●	8423 1233 03
<b>Die grinders for polishing</b>											
LSF29 S030	3000	1.1	1/4	10.1	2.6	13	42	1/2	3/8	-	8423 0127 18
LSF29 S030E	3000	1.1	1/4	15.0	4.0	13	42	1/2	3/8	●	8423 0127 19
LSF29 S070	7000	1.3	1/4	10.1	2.6	18	47	1/2	3/8	-	8423 0127 20
LSF29 S070E	7000	1.3	1/4	15.0	4.0	18	47	1/2	3/8	●	8423 0127 21
<b>Angle die grinders</b>											
LSV29 S150	15000	1.0	1/4	9.8	2.6	45	17	1/2	3/8	-	8423 0127 40

R=Rigid mount

## Accessories

Model	LSF 29	LSF39	See illustration
Collet Ø 1/8"	4150 1710 00	4150 1710 00	1
Collet Ø 1/4"	4150 1709 00	4150 1709 00	1
Collet Ø 3/8"	4150 1708 00	4150 1708 00	1
Collet nut	4150 1706 00	4151 1706 00	3
Collet holder	4150 1707 00	-	-
MultiFlex	8202 1350 28	8202 1350 30	7



## Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10US-T13	45 cfm	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29
MIDI F/RD EQ15US-T16	66 cfm	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

# Beveling tools

## Cutting Edge Technology

Beveling gives you a sound welded joint with a good amount of weld in place for maximum strength. And it is safer, more resistant and easier on the eye. Rounded edges of metal surfaces gives you proper thickness of coatings to avoid corrosion due to moisture, air, dust and even chipping. The LSB38 is an excellent combination of power, design, durability and ergonomics for chamfering, deburring and giving radius edges to metal plates in stainless steel, mild steel and aluminium.



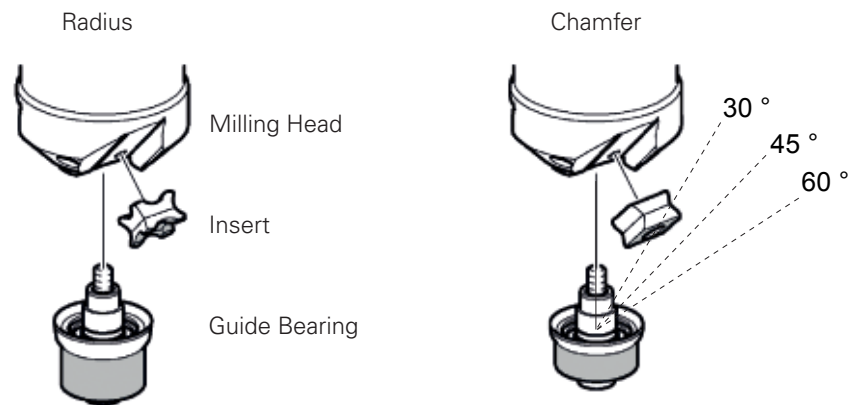
Model	Max free speed r/min	Max bevel width in	Max radius in	Max. power hp	Weight lb	Max height over guide plate in	Air consumption max output cfm	Air consumption free speed cfm	Rec. hose size in	Air inlet thread NPT in	Ordering No.
LSB38 S085	8500	5/16"	5/32"	1.7	5.4	4.4	58	31	1/2"	3/8"	8423 0131 30



## Beveling Matrix

	Radius 2 mm	Radius 3 mm	Radius 4 mm	Chamfer 30 °	Chamfer 35 °	Chamfer 45°	Chamfer 55°	Chamfer 60°
<b>LSB 38</b>								
Milling Head	4150 2240 90	4150 2240 90	4150 2240 90	4150 2240 94	4150 2240 98	4150 2240 90	4150 2240 96	4150 2241 04
Guide bearing	4150 2240 80	4150 2240 91	4150 2240 92	4150 2240 95	4150 2240 99	4150 2240 93	4150 2240 97	4150 2241 05
Insert	4150 2241 93	4150 2241 90	4150 2241 91	4150 2241 92	4150 2241 92	4150 2241 92	4150 2241 92	4150 2241 92

NOTE: Each type of inserts work with respective Guide bearing only



## Accessories

Name	Ordering No.
Support handle complete	4150 2242 90
Wing screw	4150 2243 90
Guide bearing R3	4150 2240 91
Guide bearing R4	4150 2240 92
Guide bearing C	4150 2240 93
Insert R3	4150 2241 90
Insert R4	4150 2241 91
Insert C	4150 2241 92
Small part kit	4082 0120 90

## Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ15US-T16	66 cfm	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

# Sanding and polishing



Atlas Copco handheld sanders are available in a range of different versions for all type of jobs. From extreme productivity sanding to fine grit sanding for the finest possible surface finish.

Our sanders are suitable for use with all types of abrasives, from dry sanding to wet sanding, from paper to wire brushes, and polishing with velcro pads or lambswool. We also offer belt sanders in our range. Our tools have user-friendly ergonomic designs with high power-to-weight ratios, an autobalancer that reduces vibrations, and good accessibility to the workpiece.

The range includes sanders equipped with dust extraction to lower the operator's exposure to dust.

# Sanders

*Extreme productivity  
for fiber discs, dia. 7"-9"*



GTG40

Atlas Copco extreme productivity sanders are durable with all-aluminum housings that make them suitable for the toughest working environments.

**GTG** sanders are powered by turbine technology which gives extremely short process times due to high power-to-weight ratios.

**LSV48** is our most powerful angle vane sander with 2.5 hp of power for extreme productivity.

All the tools have a speed governor to ensure optimum process speed and an Autobalancer to reduce vibrations.



GTG25



LSV48

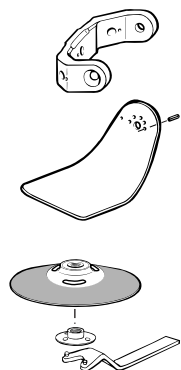
Model	Max free speed r/min	Max output hp	Max pad dia in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output l/s	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Ordering No.
GTG25-S085-700	8500	3.3	7"	UNC 5/8"	29/32"	4.2	2.3	68	19	5/8"	3/8"	8423 2525 08
GTG40 S060-700	6000	6.1	7"	UNC 5/8"	29/32"	7.9	5.2	126	42	5/8"	1/2"	8423 0715 03
LSV48 SA085 NPT	8500	2.5	7"	UNC 5/8"	13/16"	5.1	3.5	76	36	5/8"	3/8"	8423 0707 51
LSV48 SA066	6600	2.5	7"	UNC 5/8"	13/16"	5.1	3.5	76	36	5/8"	3/8"	8423 0707 50

NOTE: Backing pad not included

# Accessories

Model	GTG 25	GTG40	LSV48	See illustration
<b>Backing set, standard type</b>				
Ø 5" - 5/8" - soft	-	-	4170 0768 80	-
Ø 7" - 5/8" - soft	-	-	4171 0756 80	-
Ø 7" - 5/8" - stiff	-	-	4172 0757 80	-
<b>Backing set with cooling ribs</b>				
Ø 5" - 5/8" and M14, medium	-	-	4150 1962 80	-
Ø 7" - 5/8" and M14, stiff	4150 1962 83	4150 1962 83	4150 1962 83	-
Ø 7" - 5/8" and M14, medium	4150 1962 81	4150 1962 81	4150 1962 81	-
<b>Backing set, heavy duty type</b>				
Ø 4 3/4" (120 mm) - 5/8"	-	-	4175 0883 92	-
Ø 6 3/8" (162 mm) - 5/8"	-	-	4175 0883 90	-
Ø 7" - 5/8"	4170 1192 90	4170 1192 90	4170 1192 90	-
Ø 9" - 5/8"	-	4170 1193 90	-	-
Flange washer for 5/8"	-	-	4175 0893 00	5
Wheel friction plate	-	4175 0186 90	-	-
Hand shield	-	4175 0165 90	-	-
Support handle	4175 0705 90	4110 1355 88	4175 0868 80	-
Vibration damped handle	-	4150 1521 80	4150 1521 80	-
Positioner for support handle	-	4175 0164 90	-	-
<b>Spot suction kit for sanding with fibre disc</b>				
Kit 7"	3780 4090 27	3780 4011 00	3780 4093 40	-
Suction cap 7" with brush (incl. In kit)	-	3780 2675 31	3781 2675 00	2
Backing pad 7" (incl. In kit)	-	3780 2710 60	3781 2710 60	3
Distance washer 1/2" (incl. In kit)	-	3780 2721 40	3781 2721 50	6
Nut 5/8" (incl. In kit)	-	3780 2722 00	3781 2726 70	5
<b>Diamond cutting wheels</b>				
Ø 5"	3780 5074 61	-	3780 5074 61	-
Ø 7"	3780 5074 62	3780 5074 62	3780 5074 62	-
<b>Spot suction for diamond cutting blade</b>				
Kit Ø 7"	-	-	3780 4093 42	-
MultiFlex	8202 1350 28	8202 1350 62	8202 1350 30	7

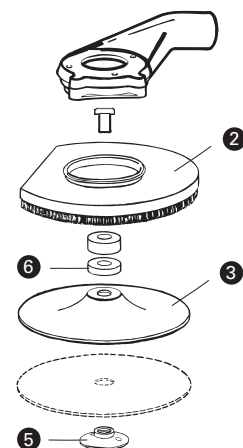
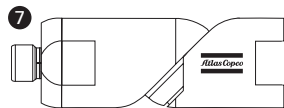
## GTG40



Positioner for support handle

Hand shield

Back-up pad



# Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MAXI F/R EQ15US-T20	110 cfm	140 cfm	Turbo 20	ErgoQIC 15US	No	8202 0850 32
MAXI F/RD EQ15US-T20	110 cfm	140 cfm	Turbo 20	ErgoQIC 15US	Yes	8202 0850 33

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

# Sanders

for fiber discs, dia. 5"-7"



LSV39

**LSV29** tools are small yet powerful, one-handed sanders. They are available in various speeds and also in a wet sanding version.

**LSV39** is suitable for medium rough to rough sanding. A speed governor ensures optimum process speed.



LSV29

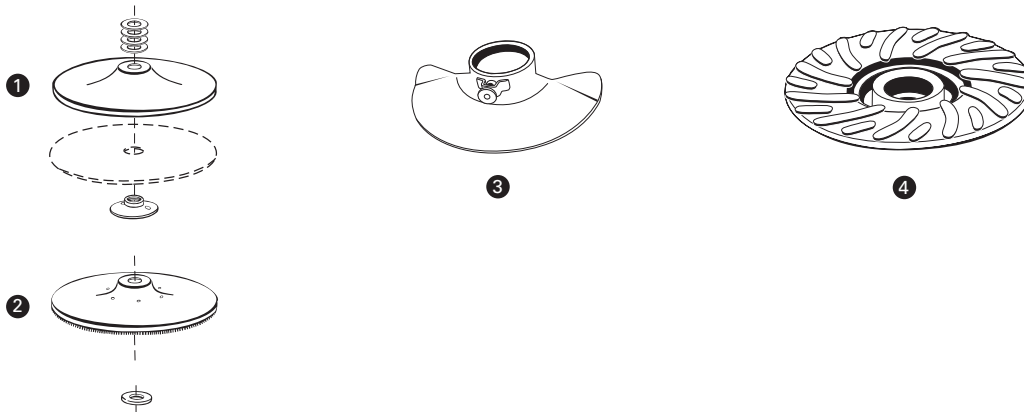
Model	Max free speed r/min	Max output hp	Max pad dia in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT in	Ordering No.
LSV29 S013-5/8	1300	1.0	7"	5/8-11 UNC	1.3	3.7	3.4	52	19	1/2	3/8"	8423 0127 42
LSV29 S021-5/8	2100	1.0	7"	5/8-11 UNC	1.3	4.1	3.4	40	12	1/2	3/8"	8423 0127 33
LSV29 S034-5/8	3400	1.1	7"	5/8-11 UNC	1.3	3.7	3.4	44	16	1/2	3/8"	8423 0127 44
LSV29 S040-5/8	4000	1.0	7"	5/8-11 UNC	1.3	3.3	3.4	40	12	1/2	3/8"	8423 0127 35
LSV29 S060-5/8	6000	1.1	7"	5/8-11 UNC	1.3	3.3	3.4	42	15	1/2	3/8"	8423 0127 37
LSV39 S085-5/8	8500	2.4	7"	5/8-11 UNC	28	3.5	3.8	61.1	33.7	1/2	3/8"	8423 0133 03
LSV39 S066-5/8	6600	2.1	7"	5/8-11 UNC	28	3.5	3.8	54.3	24	1/2	3/8"	8423 0133 05
LSV39 S120-5/8	12000	2.4	5"	5/8-11 UNC	28	3.5	3.8	63	37	1/2	3/8"	8423 0133 07

Backing pad not included

## Accessories

	LSV29	LSV39	See illustration
<b>Backing set, standard type</b>			
Ø 5" - 5/8" - soft	4170 0768 80	4170 0768 80	1
Ø 7" - 5/8" - soft	4170 0756 80	4170 0756 80	1
Ø 7" - 5/8" - stiff	4170 0757 80	4170 0757 80	1
<b>Backing set with cooling ribs</b>			
Ø 5" - 5/8" and M14, medium	4150 1962 80	4150 1962 80	2
Ø 7" - 5/8" and M14, stiff	-	4150 1962 83	2
Ø 7" - 5/8" and M14, medium	4150 1962 81	4150 1962 81	2
<b>Backing set, heavy duty type</b>			
Ø 4 3/4" (120 mm) - 5/8"	-	4175 0883 92	4
Ø 6 3/8" (162 mm) - 5/8"	-	4175 0883 90	4
Hand shield for 5-7"	-	4150 1936 80	3
Hand shield for 5-7" (robust)	-	4150 1941 80	3

Dust extraction, see next page



## Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10US-T13	45 cfm	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29
MIDI F/RD EQ15US-T16	66 cfm	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31

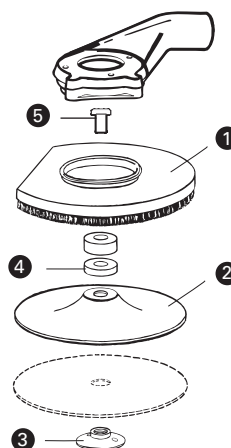
# Sanders

dust extraction  
for fiber discs, dia. 5"-7"

	LSV29	LSV39	See illustration
<b>Spot suction kits for sanding with fiber disc. Sanders with UNC 5/8" spindle</b>			
<b>LSV29 S040/S060/S085 5" - kit</b>	3780 4007 80	-	-
Chamber (incl. In kit)	3780 3100 40	-	1
Suction cap 5" with brush (incl. In kit)	3780 2650 20	-	2
Backing pad 5" (incl. In kit)	3780 2710 30	-	3
Distance washer 1/2" (incl. In kit)	3780 2721 60	-	4
Nut 5/8" (incl. In kit)	3780 2722 00	-	5
<b>LSV29 S040/S060 7" - kit</b>	3780 4007 90	-	-
Chamber (incl. In kit)	3780 3100 40	-	1
Suction cap 7" with brush (incl. In kit)	3780 2675 00	-	2
Backing pad 7" (incl. In kit)	3780 2710 60	-	3
Distance washer 3/8" (incl. In kit)	3780 2721 50	-	6
Nut 5/8" (incl. In kit)	3780 2726 70	-	5
<b>LSV29 S021 7" - kit</b>	3780 4031 60	-	-
Suction cap 7" with brush (incl. In kit)	3780 2675 00	-	2
Backing pad 7" (incl. In kit)	3780 2710 60	-	3
Distance washer 1/2" (incl. In kit)	3780 2721 60	-	6
Nut 5/8" (incl. In kit)	3780 2726 70	-	5
<b>LSV39 S066/S085 7" - kit*</b>	-	3780 4008 84	-
Suction cap 7" with brush (incl. In kit)	-	3780 2675 00	2
Backing pad 7" (incl. In kit)	-	3780 2710 60	3
Distance washer 3/8" (incl. In kit)	-	3780 2721 50	6
Nut 5/8" (incl. In kit)	-	3780 2726 70	5
<b>LSV39 S066/S085 5" - kit</b>	-	3780 4008 85	-
Suction cap 5" with brush (incl. In kit)	-	3780 2650 20	2
Backing pad 5" (incl. In kit)	-	3780 2710 30	3
Distance washer 3/8" (incl. In kit)	-	3780 2721 50	6
Nut 5/8" (incl. In kit)	-	3780 2726 70	5

## Extraction hose 5" 11"

	Ordering No.
<b>Vacuum Hose</b>	
Ø 1" (25 mm) for 125 m³/h suction requirement	3780 2724 20
Ø 1 9/32" (32 mm) for 200 m³/h suction requirement	3780 2724 31
Ø 1 1/2" (38 mm) for 250 m³/h suction requirement	3780 2724 40
<b>Brush for suction cap</b>	
Separate brush 3/4" high, for cap Ø 5"	3780 2678 00
Separate brush 1 3/16" high, for cap Ø 7"	3780 2677 30





# Sanders

*for wet sanding*



LSV29 S018-5/8

Wet sanding is a cleaner alternative than sanding in certain applications.

**LSV29 ST018** wet sanders have a central water supply through the angle head for optimal water distribution on the work surface.

Model	Max free speed r/min	Max output hp	Max pad dia in	Weight lb	Spindle thread	Spindle length in	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT	Ordering No.
LSV29 S018-5/8 *	1800	1.1	7	3.7	5/8-11 UNC	1.3	4.1	47	27	1/2	3/8	8423012752

# Angle sanders

for fiber discs, 2"-3"



LSV19

These sanders are suitable for applications with high demands on surface finish and requiring tools offering good accessibility.

**LSV12/19** sanders are a good choice for this type of finer work. For operator comfort the tools are ergonomically designed with the option of dust extraction. All tools are available with either a collet or a threaded spindle and a speed governor for optimal process speed.



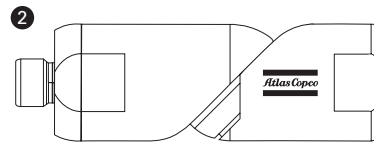
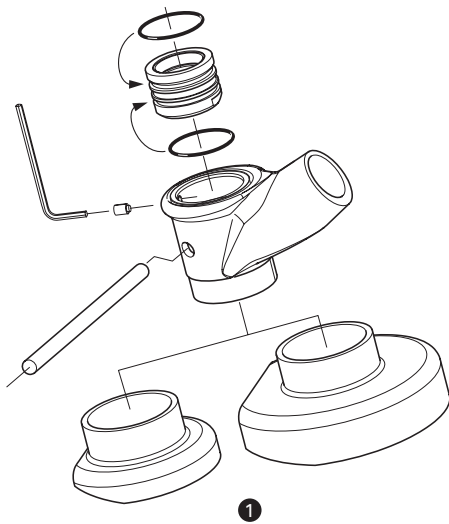
LSV12

Model	Max free speed r/min	Max output hp	Max pad size dia in	Collet size in	Spindle thread	Spindle length in	Length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT	Ordering No.
<b>With collet</b>														
LSV12 S200-2	20000	0.39	2"	1/4"	-	-	6.54	1.19	3	20.1	13.6	5/16"	1/4"	8423 0701 06
LSV12 S120-2	12000	0.33	3"	1/4"	-	-	6.54	1.19	3	17.6	6.4	5/16"	1/4"	8423 0701 05
LSV19 S200-2	20000	0.6	2"	1/4"	-	-	7.3	1.3	3	23	15	3/8"	1/4"	8423 0703 75
LSV19 S120-2	12000	0.6	3"	1/4"	-	-	7.3	1.3	3	23	15	3/8"	1/4"	8423 0703 76
LSV19 S080-2	8000	0.5	3"	1/4"	-	-	7.3	1.3	3	23	13	3/8"	1/4"	8423 0703 77
<b>With threaded spindle</b>														
LSV12 S200	20000	0.39	2"	-	UNC 1/4"	5/16"	6.54	1.19	2.3	17.6	6.4	5/16"	1/4"	8423 0701 08
LSV12 S120	12000	0.326	3"	-	UNC 1/4"	5/16"	6.54	1.19	2.3	17.6	6.4	5/16"	1/4"	8423 0701 07
LSV19 S120	12000	0.6	3"	-	UNC 1/4"	5/16"	7.3	1.3	2.3	23	15	3/8"	1/4"	8423 0703 78

Backing pad not included

## Accessories

Model	LSV12	LSV19	See illustration
<b>Collets</b>			
Collet Ø 1/8"	4150 2226 46	4150 0082 00	-
Collet Ø 1/4"	4150 2226 03	4150 0076 00	-
Collet Ø 3/16"	4150 2226 48	4150 0649 00	-
Collet Ø 5/16"	-	4150 0074 00	-
Collet Ø 3 mm	-	4150 0081 00	-
Collet Ø 5 mm	-	4150 0075 01	-
Collet Ø 6 mm	4150 2226 03	4150 0075 00	-
Collet Ø 8 mm	-	4150 0074 00	-
Collar	4150 2226 02	-	-
Collet nut	4150 2226 04	4150 0760 00	-
Extension 75 mm (3")	-	4150 0674 00	-
<b>Spot suction kit for fibre disc</b>			
Ø 50-75 mm pad (for model with collet)	-	3780 4092 62	1
Ø 50-75 mm pad (for model with threaded spindle)	-	-	1
MultiFlex	8202 1350 20	8202 1350 20	2



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# Sanders

*orbital and random orbital  
for coated abrasives*



LST30

**LST/LSO** orbital and random orbital sanders are designed to give you the best surface result in the shortest possible time before painting and coating. They are also suitable for polishing with wax and surface conditioner.

All models are lubrication and silicone free to avoid contamination of the workpiece.

They are available in standard versions, self-suction, or central suction.



LST20



LST21



LST22



LSO30

Model	Max free speed r/min	Max output hp	Max pad size in	Orbit dia in	Weight lb	Height over spindle in	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT	Handle		Ordering No.
										With	Without	
<b>Random orbital - Standard</b>												
LST30 H090-11	9000	0.4	4 1/2"	5/16"	2.6	4.7"	16	5/16"	1/4"	●	-	8423 0361 64
LST30 H090-15	9000	0.4	6"	5/16"	2.6	4.7"	16	5/16"	1/4"	●	-	8423 0361 72
LST30 S090-15	9000	0.4	6"	5/16"	2.4	4.7"	16	5/16"	1/4"	-	●	8423 0361 98
<b>Self suction<sup>a</sup></b>												
LST31 H090-15	9000	0.4	6"	5/16"	3.1	4.7"	16	5/16"	1/4"	●	-	8423 0363 19
<b>Central suction<sup>b</sup></b>												
LST32 H090-15	9000	0.4	6"	5/16"	3.1	4.7"	16	5/16"	1/4"	●	-	8423 0362 55
LST32 S090-15	9000	0.4	6"	5/16"	2.9	4.7"	16	5/16"	1/4"	-	●	8423 0362 71
<b>Orbital - Standard</b>												
LSO30 S070-3	7000	0.4	4" x 7"	3/16"	3.5	4.9"	16	5/16"	1/4"	-	●	8423 0360 16
LSO30 H070-3	7000	0.4	4" x 7"	3/16"	3.7	4.9"	16	5/16"	1/4"	●	-	8423 0360 24
<b>Central suction<sup>c</sup></b>												
LSO32 H070-3	7000	0.4	4" x 7"	3/16"	4	4.9"	16	5/16"	1/4"	●	-	8423 0361 07
<b>Standard model</b>												
LST20 R350	12000	0.27	4"	3/16"	1.85	3.7"	17	5/16"	1/4"	-	●	8423 0361 65
LST20 R550	12000	0.27	5"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 69
LST20 R650	12000	0.27	6"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 73
LST20 R525	12000	0.27	5"	3/32"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 81
LST20 R625	12000	0.27	6"	3/32"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 84
<b>Extraction model - Self suction</b>												
LST21 R550 <sup>d</sup>	12000	0.27	5"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 70
LST21 R650 <sup>d</sup>	12000	0.27	6"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 74
<b>Extraction model - Central suction</b>												
LST22 R550 <sup>d</sup>	12000	0.27	5"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 71
LST22 R650 <sup>d</sup>	12000	0.27	6"	3/16"	1.85	3.3"	17	5/16"	1/4"	-	●	8423 0361 75

<sup>a</sup> Includes dust collecting bag.

<sup>b</sup> Required air flow 150 m<sup>3</sup>/h or 88 cfm.

<sup>c</sup> Required air flow 60 m<sup>3</sup>/h or 35 cfm.

<sup>d</sup> 186 mm (7.3") suction hose connector included.

# Accessories

## LSO

	Ordering No.
Base pad, vinyl for -3F-type	4112 0787 01

## LST20/21/22, pad for self stick paper

	Ordering No.		
	Dia 3 1/2"	Dia 5"	Dia 6"
For LST20	4112 1231 00	4112 1233 00	4112 1235 00
For LST21/22	-	4112 1232 00	4112 1234 00

## LST20/21/22, pad for velcro back paper

	Ordering No.		
	Dia 3 1/2"	Dia 5"	Dia 6"
For LST 20	4112 1218 00	4112 1216 00	4112 1214 00
For LST 21/22	-	4112 1217 00	4112 1215 00

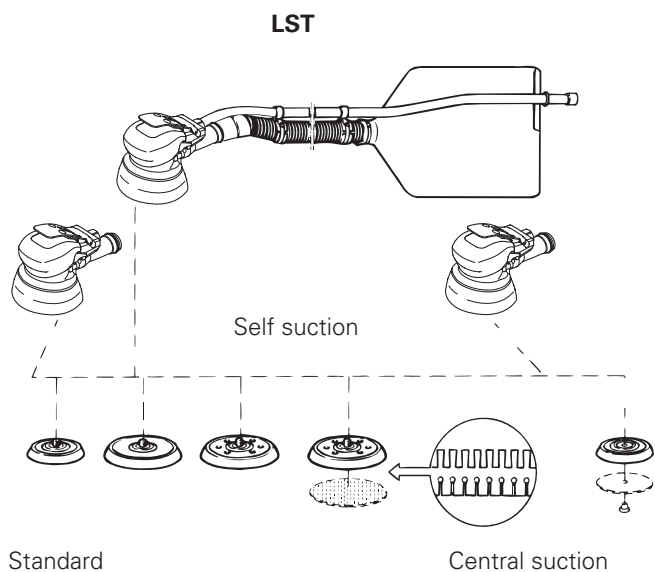
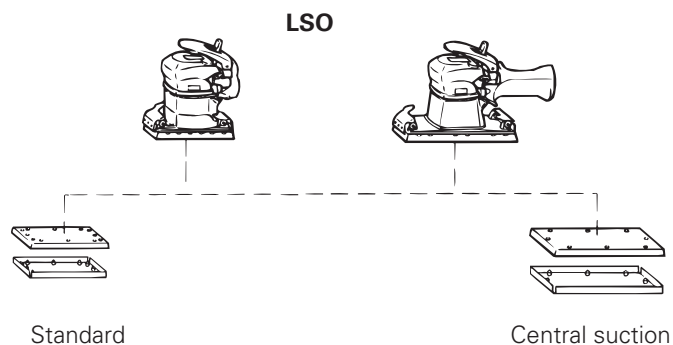
## LST30/31/32

	Ordering No.
Pad velcro, Ø 6"	4112 0795 02 <sup>a</sup>
Pad velcro, Ø 6"	4112 0792 02 <sup>b</sup>
Pad velcro, Ø 6", 6 holes	4112 0796 01 <sup>c</sup>

<sup>a</sup>LST30-15    <sup>b</sup>LST30    <sup>c</sup>LST31/32-150

## Dust extraction hose

	Ordering No.
Vacuum Hose, 70.85" in	
Ø 1" in for 125 m <sup>3</sup> /h suction requirement	3780 2724 20
Ø 1.25" in for 200 m <sup>3</sup> /h suction requirement	3780 2724 31
Ø 1.5" in for 250 m <sup>3</sup> /h suction requirement	3780 2724 40

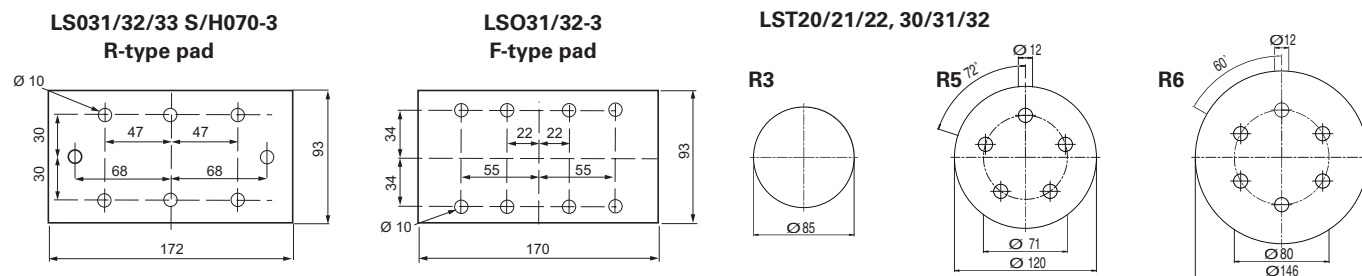


# Productivity Kit

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10US-T13	45 cfm	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29
MIDI Optimizer F/RD EQ15US-T16	66 cfm	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

## Hole pattern dimensions for sanding paper, dust extraction models



# Sanders

## *belt sanders*

LMB27/LMB35 are suitable for precision sanding where access is difficult with conventional sanders.

The head rotation provides a versatile solution for many applications.



LMB27



LMB35

Model	Max output		Belt speed m/min	Belt dimension mm	Weight		Air consumption at free speed		Rec. hose size		Air inlet thread BSP	Ordering No.
	kW	hp			kg	lb	l/s	cfm	mm	in		
LMB27 S014	0.275	0.37	1400	13X305	0.9	2	10	21.2	10	3/8	1/4	8423 0305 10
LMB35 S015	0.350	0.41	1500	19X520	1	2.2	11	23.3	10	3/8	1/4	8423 0305 20

## Accessories

### CONTACT ARM SANDING BELTS / CONTACT ARM FELT BELTS

Model	Ordering No.
<b>Contact arm sanding belts</b>	
<b>LMB27</b>	
13 x 305 mm (1/2" x 12")(std arm)	4112 3007 88
3 and 6 x 305 mm (1/8" and 1/4" x 12")	4112 3007 78
<b>LMB35</b>	
19 x 520 mm (3/4" x 20-1/2")(std arm)	4112 3008 83
19 x 460 mm (3/4" x 18")	4112 3008 81
<b>Contact arm felt belts</b>	
<b>LMB27</b>	
13 x 305 mm (1/2" x 12")	4112 3007 79

### 3M SANDING BELT KIT

	Grit size			
	40+	60+	80+	120+
<b>LMB27</b>				
20 pcs, 6 x 305 mm (1/4"x12")	4170 1208 00	4170 1208 02	4170 1208 03	4170 1208 04
20 pcs, 13 x 305 mm (1/2"x12")	4170 1208 05	4170 1208 06	4170 1208 07	4170 1208 08
<b>LMB35</b>				
20 pcs, 19 x 520 mm (3/4"x20-1/2")	4170 1208 13	4170 1208 14	4170 1208 15	4170 1208 16

### 3M SCOTCH-BRITE FELT BELT KIT

	Coars	Medium	Very fine
	<b>LMB27</b>		
10 pcs, 13 x 305 mm (1/2"x12")	4170 1210 00	4170 1210 01	4170 1210 02

## Service Kits

Model	Ordering No.
<b>Service kit motor</b>	
LMB35	4081 0520 90
LMB27	4081 0501 90
<b>Service kit general</b>	
LMB35	4081 0519 90
LMB27	4081 0502 90
<b>Service kit belt support</b>	
LMB35	4081 0521 90
LMB27	4081 0503 90

# Polishing



LSV29

Polishing is often used to enhance the look of a surface, remove oxidation and create a protective surface.

We offer **LSV29** in various speeds to meet your specific needs.

Model	Max free speed r/min	Max output hp	Max pad dia in	Spindle thread	Spindle length in	Weight lb	Height over spindle in	Air consumption at max output cfm	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT	Ordering No.
LSV29 ST034 NPT	3400	1	7"	UNC 5/8"	1 1/4"	3.7	3.4	38.2	16.3	3/8"	3/8"	8423 0706 15

## Accessories

Backing set for polishing	Ordering No.
<b>Velcro pads</b>	
6" Velcro pad, thread UNC 5/8". Maximum speed 2 500 r/min. To be used together with Velcro sponge heads or Velcro lambswool bonnet.	4112 6092 15
Lambswool bonnet 6" with Velcro fitting. Maximum speed 2 500 r/min.	4112 6093 15
6" Velcro sponge head, maximum speed 2 500 r/min, White, Dense, firm sponge head for compounding 2-pack paint systems. Excellent result with all leading makes of compound and polish.	4112 6094 15
<b>Threaded pads</b>	
6" white sponge head pad, thread UNC 5/8". Maximum speed 4 000 r/min.	4112 6100 15
7" mm soft plastic UNC 5/8" and spanner. Maximum speed 8 000 r/min.	4170 0756 80



## Productivity Kit

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10US-R13	45 cfm	50 cfm	Rubair 13	ErgoQIC 10US	Yes	8202 0850 28
MIDI Optimizer F/RD EQ10US-T13	45 cfm	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

# Fine cutting





Atlas Copco routers and circular cutters are designed for operator comfort and a first-class result when engraving or fine cutting in aluminum and composite materials.

# Fine cutting

## *circular cutters*



**LCS39**

Get a top quality result with Atlas Copco circular cutters. The LCS39 cuts to a depth of 3/8".

Choose the tool and blade that fit your requirements and you can cut with ease through steel, aluminum, wood and fiber glass.

The **LCS39** is equipped with a dust extraction hood, just connect a suction hose.

Model	Max free speed r/min	Max cutter wheel dia in	Max cutting depth in	Max output hp	Weight lb	Air consumption at free speed cfm	Rec hose size in	Air inlet thread NPT	Dust extraction hood	Ordering No.
LCS39 S150D	15000	4	1	2.4	4	37	1/2	3/8"	•*	8424 1125 07

\* Suction requirement: 200 m<sup>3</sup>/h.

## Accessories

### Cutter blades

	Application	Max thickness of material in	No. of teeth in	Dia in	Hole in	Ordering No.
LCS39	Diamond disc for fiber glass	3/4"	44/60 (Grain)	3"	1/2"	3780 5073 00
	Diamond disc for fiber glass	1"	44/60 (Grain)	4"	1/2"	3780 5074 00
LCS39	Suction hose set (L= 150 mm)	-	-	-	-	3780 2724 31

## Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10US-T13	45 cfm	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29
MIDI F/RD EQ15US-T16	66 cfm	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.



Of all the dust collection methods, dust extraction on the tool itself is by far the most efficient as the collection is at the point of the dust creation.

This not only ensures very efficient extraction but also requires less airflow.

Almost any tool can be fitted with this type of manifold.

## Accessories

### Dust extraction kits

Model	Ordering No.	Description	Ordering No.
<b>Sanders</b>			
LSV29	8423 0127 33	Spot suction kit for sanding with fiber disc 180mm (7")	3780 4031 60
LSV29	8423 0127 37	Spot suction kit for sanding with fiber disc 125mm (5")	3780 4007 80
LSV19 S200-1F	8423 0111 47	Spot suction kit for fibre disc Ø 50-75 mm pad (for model with collet)	3780 4092 62
LSV19 S080-1	8423 0111 46		
LSV19 S120-1	8423 0111 43		
LSV19 S200-1	8423 0111 41		
LSV29 S060-5/8	8423 0127 37	Spot suction kit for sanding with fiber disc 180mm (7")	3780 4007 90
LSV29 S040-5/8	8423 0127 35	Spot suction kit for sanding with fiber disc 180mm (7")	3780 4007 90
GTG25-S085	8423 2525 03	Spot suction kit for sanding with fibre disc 180mm (7")	3780 4090 27
GTG25-S085-M14	8423 2525 04		
GTG25-S085-700	8423 2525 08		
LSV39 S066-M14	8423 0133 06	Spot suction kit for sanding with fiber disc 125mm (5")	3780 4008 85
LSV39 S085-M14	8423 0133 04		
LSV39 S120-5/8	8423 0133 07		
LSV39 S066-5/8	8423 0133 05		
LSV39 S085-5/8	8423 0133 03		
LSV39 S085-M14 S	8423 0133 11		
LSV39 S066-M14	8423 0133 06	Spot suction kit for sanding with fiber disc 180mm (7")	3780 4008 84
LSV39 S085-M14	8423 0133 04		
LSV39 S120-5/8	8423 0133 07		
LSV39 S066-5/8	8423 0133 05		
LSV39 S085-5/8	8423 0133 03		
LSV39 S085-M14 S	8423 0133 11		
<b>Grinders</b>			
LSV29	8423 0127 47	Spot suction kit for depressed center wheel 125 mm (5")	3780 4008 70
LSV39 S120-5/8"	8423 0133 07	Spot suction kit for depressed center wheel 125 mm (5")	3780 4008 73
GTG25 F085-180	8423 2525 02	Spot suction kit for depressed center wheel 180 mm (7")	3780 4090 30
GTG25 F085-5/8	8423 2525 13		
GTG25 F085-M14	8423 2525 11		
Universal	-	Add on spot suction 125mm (5")	3780 4032 14
<b>Cutting</b>			
LSV48 SA 085	8423 0132 02	Spot suction for diamond cutting wheel 180mm (7")	3780 4093 42
GTG25-F085-18	8423 2525 02	Spot suction for diamond cutting wheel 180mm (7")	3780 4090 35
LSV39 S120-5/8	8423 0133 07	Spot suction kit for Diamond cutting wheel 125mm (5")	3780 4008 74
<b>Touch guard</b>			
LSV39 SA12-125	8423 0133 01	AluGuard cover kit	4150 2300 82

# Weld flux, paint and rust removal



Atlas Copco scalers are ideal for all weld flux, paint and rust removal tasks in foundries, shipyards, weld shops and construction sites. Our range includes vibration damped models, which reduce the operator's exposure to vibrations.

## Selection Guide

		Vibration damped	Blowing device	Weld flux removal	Paint & rust removal
Scalers	<b>RVM 08B</b>	•		•	
	<b>RRC 13</b>			•	
	<b>RRC 13B</b>		•	•	
	<b>RRC 13N</b>				•

# Scalers



RRC13B



RVM08B



RCC13N

Atlas Copco robust, all-steel scalers are designed to work in the toughest environments.

The tools are ideal for removal of weld flux, paint and rust, and for light concrete trimming. The **RRC13N** needle scaler can handle even the toughest paint and rust removal tasks.

**RVM08B** and **RRC13B** scalers feature a clean blowing device.

**P2505** engraving pen will give a precise result on any hard material, such as aluminum, steel or glass. The needle is easy to change and the tool is small yet durable.



P2505

Model	Blows Hz	Stroke in	Energy per blow ft lb	Length in	Weight lb	Air consumption cfm	Rec hose size in	Air inlet thread NPT	Ordering No.
RVM08B	100	-	-	11	3.6	8.1	1/4"	1/4"	8425 0105 40
RRC13	73	1.4	1.0	8.7	3.1	8.0	3/8"	3/8"	8425 0101 30
RRC13B	73	1.4	0.9	9.1	3.5	10.4	3/8"	3/8"	8425 0101 34
RRC13N	73	1.4	1.0	13.9	4.2	8.0	3/8"	3/8"	8425 0101 36

Model	Max free speed r/min	Length in	Weight lb	Air consumption cfm	Rec hose size in	Air inlet thread NPT	Ordering No.
P2505	190	6.9	0.26	1.3	1/8"	1/8"	8425 0102 72

# Accessories

## For RRC13, 13B, P2505

RRC13 / RRC13B	Ordering No.
Hand guard	3510 0246 90
Silencer	3510 0366 80

## For RRC13N Needle-set of 19 needles, length 100 mm

Material	Ordering No.
Steel, standard	3510 0221 90
Steel flat ends	3510 0227 90
Stainless steel flat ends	3510 0228 90
Beryllium copper flat ends (spark resistant)	3510 0229 90



## Chisels for RRC13/13B, square shank 13.0 mm

Chisel type	Designation	Width		Length		Square 13 mm (1/2") Ordering No.
		mm	in	mm	in	
	Chisel blank	15	0.59	155	6.1	3085 0020 00
		15	0.59	200	7.9	3085 0020 01
		15	0.59	300	11.8	3085 0020 02
	Flat chisel	15	0.59	165	6.1	3085 0227 00
		15	0.59	200	7.9	3085 0227 01
	Wide flat chisel	35	1.38	165	6.5	3085 0032 00
		35	1.38	200	7.9	3085 0032 01
		35	1.38	300	11.8	3085 0032 02
		55	2.17	165	6.5	3085 0332 00
	Angle scraper chisel	35	1.38	165	6.5	3085 0176 00
		35	1.38	200	7.9	3085 0176 01
		55	2.17	165	6.5	3085 0333 00
	Scaling chisel	15	0.59	155	6.1	3085 0018 00
		15	0.59	200	7.9	3085 0018 02
		15	0.59	300	11.8	3085 0018 01

## Chisels for RVM08B, special shank

Chisel type	Designation	Material	Width		Length		Ordering No.
			mm	in	mm	in	
	Flat chisel	Tungsten carbide	10	0.39	120	4.7	3085 0321 00
		Through hardened steel	10	0.39	120	4.7	3085 0325 00
		Tungsten carbide	10	0.39	200	7.9	3085 0321 01
		Tungsten carbide	10	0.39	300	11.8	3085 0321 02
		Tungsten carbide	20	0.79	120	4.7	3085 0345 00
		Through hardened steel	20	0.79	120	4.9	3085 0346 00
	Wide chisel	Tungsten carbide	35	1.38	120	4.7	3085 0322 00
		Through hardened steel	35	1.38	120	4.7	3085 0327 00
		Tungsten carbide	35	1.38	300	11.8	3085 0322 01
		Through hardened steel	35	1.38	300	11.8	3085 0327 01

# Productivity Kits

Model	Economical air flow	Max air flow	Hose, 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ10US-R10	28 cfm	34 cfm	Rubair 10	ErgoQIC 10US	Yes	8202 0850 26
MIDI F/RD EQ10US-R13	45 cfm	50 cfm	Rubair 13	ErgoQIC 10US	Yes	8202 0850 28

## Whip hoses

Model	Dia in	Length ft	Male thread	Connection*	Ordering No.
Turbo 13	1/2	3	3/8" NPT	Cut-off hose	4150 1618 81
Turbo 16	5/8	1,6	1/2" NPT	Cut-off hose	8202 1181 86

\* NOTE: Nip connection needs to be ordered separately. For 4150 1618 81 order ErgoNIP 10US H13 ordering no: 8202 1210 72. For 8202 1181 86 ErgoNIP 10US H16 ordering no: 8202 121073.

# Rough chiseling





Atlas Copco robust, all-metal chipping hammers are designed to stand up to the roughest handling and cope with the toughest jobs in foundries, shipyards, offshore installations and other heavy industries. Built-in ergonomic features such as vibration dampening help reduce operator fatigue and protect the operator against long-term exposure to vibration.

## Selection Guide

		Vibration damped	D-handle design	Extreme blow energy	Heavy duty
Chipping hammers	<b>RRF 21-01</b>	•	•		•
	<b>RRF 31-01</b>	•	•		•
	<b>RRD 37-11</b>	•	•		•
	<b>RRD 57-01</b>	•	•	•	•
	<b>RRD 57-12</b>	•	•	•	•
	<b>RRC 22F-01</b>				•
	<b>RRC 22F-02</b>				•
	<b>RRC 34B-01</b>				•
	<b>RRC 65B-01</b>			•	•
	<b>RRC 75B-01</b>			•	•

# Chipping

## hammers



RRD57



RRF21



RRC22F



RRC34B



RRC75B

Atlas Copco's robust chipping hammers are protected against rough handling by their light metal alloy casings.

**RRD** and **RRF** versions are vibration damped for operator comfort. For increased protection a steel cover is available as an optional accessory for the RRF versions.

**RRC** chipping hammers have a sturdy construction that make them highly dependable.

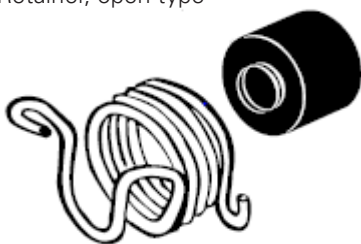
Model	Blows Hz	Stroke in	Energy per blow ft lb	Length in	Weight lb	Bush-ing in	Air consumption cfm	Rec hose size in	Air inlet th-read NPT	Bushing type		Guided chisel	Inte-grated hose barb	Vibra-tion dam-ped	Ordering No.
										Hex	Round				
RRF21-01	57	1.3	1.5	9.6	3.3	1/2"	13.8	3/8"	3/8"	●	-	●	-	●	8425 1104 05
RRF31-01	38	1.7	3.2	10.4	5.3	1/2"	15.9	3/8"	3/8"	●	-	●	-	●	8425 1104 15
RRF31-02	38	1.7	3.2	10.4	5.3	1/2"	15.3	3/8"	3/8"	-	●	-	-	●	8425 1104 16
RRD37-11	35	2.8	5.0	16.5	6.6	11/16"	15.3	1/2"	-	● <sup>a</sup>	-	●	●	●	8425 1101 22
RRD57-11	31	3.6	6.9	18.0	7.5	11/16"	20.1	1/2"	-	● <sup>a</sup>	-	●	●	●	8425 1103 20
RRD57-12	31	3.6	6.9	18.0	7.5	11/16"	20.1	1/2"	-	-	●	-	●	●	8425 1103 38
RRC22F-01	62	2.0	2.0	10.2	2.2	1/2"	13.1	3/8"	3/8"	●	-	●	-	-	8425 0202 22
RRC22F-02	62	2.0	2.0	10.2	2.2	1/2"	13.1	3/8"	3/8"	-	●	-	-	-	8425 0202 30
RRC34B-01	45	2.6	4.1	13.0	4.5	11/16"	17.0	1/2"	-	●	-	●	●	-	8425 0212 53
RRC65B-01	40	2.0	7.3	13.2	5.9	11/16"	22.9	1/2"	-	●	-	●	●	-	8425 0225 33
RRC75B-01	30	3.0	11.8	15.4	6.5	11/16"	29.6	1/2"	-	●	-	●	●	-	8425 0225 58

<sup>a</sup> Spline

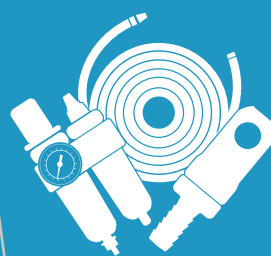
## Accessories

Model	Ordering No.
<b>Power regulator</b>	
RRF21 and -31	3512 0273 80
<b>Retainer, open type</b>	
RRF21	3512 0290 90
RRF31	3512 0305 90
<b>Protective handle kit</b>	
RRF 21	3512 0349 81
RRF 31	3512 0349 82

Retainer, open type



Protective cover



### NEED BETTER AIR FLOW?

Check out our full range of Air Line accessories in chapter Air Line Installation.

# Chisels



**Chisels for Chipping hammers.** All chisels are normally through hardened. Otherwise, see tables.

Figure	Shank type	Tools	Table
<p>Hex 11 mm [ 12.7 mm</p>	Hexagon and round shank ISO, round collar 12.7 mm	RRC22F-01, RRC22F-02 RRF21, RRF31	1
<p>Hex 14.8 mm [ 17.3 mm</p>	Hexagon shank ISO without round collar 17.3 mm	RRC34-01, RRC65-01, RRC75-01	2
<p>[ 17.3 mm</p>	Round shank ISO, without collar 17.3 mm	RRC34-02, RRC65-02, RRC75-02	2
<p>Hex 14.8 mm [ 17.3 mm</p>	Hexagon shank ISO round collar 17.3 mm	RRC34B-01, RRC65B-01, RRC75B-01	3
<p>[ 17.3 mm</p>	Round shank ISO, with splines 17.3 mm	RRD37, RRD57	3

**Table 1**

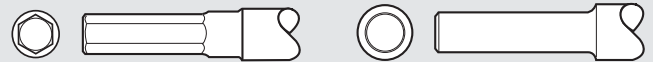
**A. Chisels with hexagon shank 12.7 mm**  
**B. Chisels with round shank 12.7 mm**



Chisel type	Designation	Width		Length		Hexagon ISO 12.7 mm (1/2") Ordering No.	Round ISO 12.7 mm (1/2") Ordering No.
		mm	in	mm	in		
	Chisel blank	13	0.51	200	7.9	3085 0182 00	
		13	0.51	350	13.8	3085 0182 01	
		13	0.51	400	15.7	3085 0182 04	
		13	0.51	500	19.7	3085 0182 05	
	Flat chisel	13	0.51	200	7.9	3085 0183 00	3085 0184 00
		35	1.38	300	11.8	3085 0376 00	
	Sharp chisel	15	0.59	200	7.9	3085 0170 00	
		15	0.59	300	11.8	3085 0170 01	
	Spot weld chisel	17	0.69	200	7.9	3085 0301 00	
	Angle scraper chisel	30	1.18	200	7.9	3085 0262 00	
	Pipe cutting chisel	20	0.78	200	7.9	3085 0302 00	
		35	1.38	200	7.9	3085 0303 00	
	Plate cutting chisel	14.5	0.57	200	7.9	3085 0263 00	
	Plate cutting chisel	16	0.62	200	7.9	3085 0173 00	
	Moil point chisel	13	0.51	200	7.9	3085 0297 00	
		13	0.51	305	12.0	3085 0297 01	

**Table 2**

**A. Chisels with hexagon shank without collar 17.3 mm**  
**B. Chisels with round shank without collar 17.3 mm**



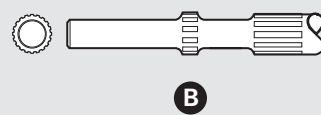
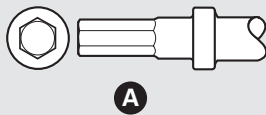
Chisel type	Designation	Width		Length		Hexagon 17.3 mm (0.68") ISO Ordering No.	Round 17.3 mm (0.68") ISO Ordering No.
		mm	in	mm	in		
	Chisel blank	23	0.91	200	7.9	3085 0150 00	3085 0140 00
		23	0.91	560	22.0		3085 0140 01
	Flat chisel	23	0.91	225	8.9	3085 0225 00	3085 0224 00

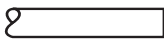
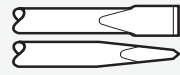
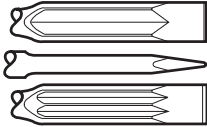

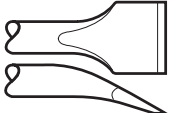

# Chisels

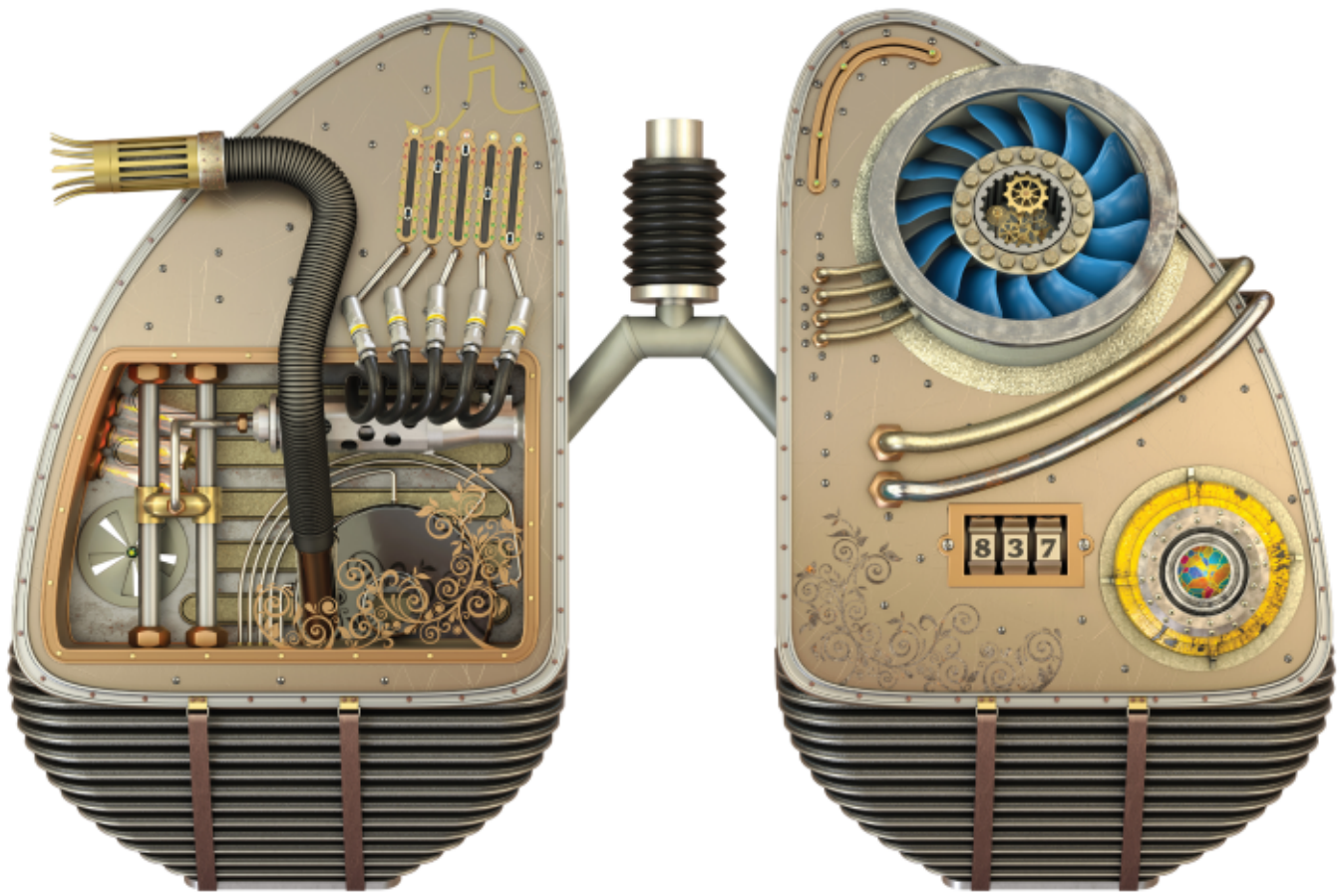
**Table 3**

**A. Chisels with hexagon shank 17.3 mm**

**B. Chisels with round shank, with splines 17.3 mm**



Chisel type	Designation	Width		Length		Hex ISO 17.3 mm (0.68") Ordering No.	Width		Length		Round ISO with splines 17.3 mm (0.68") Ordering No.
		mm	in	mm	in		mm	in	mm	in	
	Chisel blank	22	0.86	335	13.1	3085 0220 00	22	0.86	250	9.8	3085 0242 00
		22	0.86	560	22.0	3085 0220 01	22	0.86	340	13.4	3085 0242 01
		22	0.86	1060	41.7	3085 0220 02	22	0.86	550	21.7	3085 0242 02
	Flat chisel	22	0.86	260	10.2	3085 0221 00	22	0.86	215	8.5	3085 0236 00
		22	0.86	335	13.1	3085 0221 01	22	0.86	250	9.8	3085 0236 01
		22	0.86	560	41.9	3085 0221 02	22	0.86	340	13.4	3085 0236 02
		22	0.86				22	0.86	800	31.5	3085 0242 03
		22	0.86				22	0.86	1200	47.2	3085 0242 04
	Flat chisel	32	1.26	335	13.1	3085 0989 00	32	1.26	340	13.4	3085 0252 00
	Wide flat chisel	50	1.97	335	13.1	3085 0235 00	50	1.97	340	13.4	3085 0250 00
	Extra wide flat chisel	130	5.12	400	15.7	3085 0342 00	130	5.12	400	15.7	3085 0998 00
	Angle scraper chisel	50	1.97	335	13.1	3085 0349 00	50	1.97	335	13.2	3085 0350 00
	Moil point chisel	22	0.86	335	13.1	3085 0223 00	22	0.86	340	13.4	3085 0249 00
		22	0.86	560	15.7	3085 0223 01					



## Take a deep breath

Removing material will always produce a fair amount of dust. And many times this dust is not only irritating, but can also be harmful to the operator. Exposure to dust is a major problem – but there are a number of methods to take control of and collect the dust.

The most efficient is dust extraction on the tool, collecting the particles at the very point of creation. A clean and dust-free station means healthy operators and today our tools can be fitted with an efficient dust collector.

It allows your operators to take a deep breath and get the job done.



Scan the code to learn more about the initiative



# Drilling





Atlas Copco handheld drills are built to provide consistent reliability and performance in a wide range of applications, such as drilling in steel, composites and other materials. The advanced ergonomic designs of the tools makes your job easier, safer and more efficient.

## LBB features



## Selection Guide

### Drilling

The speed for a specific drilling operation should be chosen on the basis of; the material, the workpiece and the diameter of the hole.

Drills	Mild steel 20-30 m/min	Alloy steel 5-15 m/min	Cast iron 15-20 m/min	Aluminum & bronze 50-80 m/min	Wood & board 80-150 m/min	Composite 50-100 m/min
r/min	Drill dia. mm	Drill dia. mm	Drill dia. mm	Drill dia. mm	Drill dia. mm	Drill dia. mm
20000				1.0	1.0 - 2.0	1.0 - 2.0
6000	1.0 - 2.0		1.0	2.0 - 4.0	4.0 - 8.0	3.0 - 5.0
5400	1.0 - 2.0		1.0	3.0 - 5.0	4.0 - 8.0	3.0 - 6.0
4500	1.0 - 2.0	1.0	1.0	4.0 - 6.0	6.0 - 10.0	4.0 - 7.0
3300	2.0 - 3.0	1.0	1.0 - 2.0	5.0 - 8.0	8.0 - 12.0	5.0 - 9.0
2400	2.5 - 6.0	1.0 - 2.0	2.0 - 3.0	6.0 - 8.0	8.0 - 13.0	
2000	2.5 - 6.0	1.0 - 2.0	2.0 - 4.0	7.0 - 10.0	8.0 - 13.0	
1000	6.0 - 10	2.0 - 5.0	5.0 - 6.0			
750	8.0 - 13.0	2.0 - 7.0	7.0 - 9.0			
500	8.0 - 13.0	3.0 - 10.0	10.0 - 13.0			

# Drills



Atlas Copco **LBB drills** are ergonomically designed and equipped with rubber pistol grip handles to reduce vibration and temperature differences.

Regardless of which model you choose, you'll get a product with superior ergonomics and productivity.

- Quiet – Very low noise level.
- Comfortable grip – For high precision.
- Two-hand grip available – Gives even greater flexibility.
- Lubrication-free – For clean working environment and operator comfort.

Model	Free speed r/min	Chuck capacity in	Weight with chuck		Air consumption at free speed		Hose size		Air inlet thread	Power		Stall torque Nm	Without chuck		
			kg	lb	l/s	cfm	mm	in		W	hp		With chuck Ordering No.	Model	Ordering No.
LBB26 EPX-003 <sup>b</sup>	300	1/2	0.82	1.8	14.5	31.8	10.0	3/8	1/4	500	0.7	53.5	8421 0500 00	003-U	8421 0500 01
LBB26 EPX-005 <sup>b</sup>	500	1/2	0.82	1.8	14.5	31.8	10.0	3/8	1/4	500	0.7	31.6	8421 0500 02	005-U	8421 0500 03
LBB26 EPX-007 <sup>b</sup>	700	1/2	0.82	1.8	14.5	31.8	10.0	3/8	1/4	500	0.7	24.6	8421 0500 04	007-U	8421 0500 05
LBB26 EPX-013 <sup>ab</sup>	1300	3/8	0.79	1.7	14.5	31.8	10.0	3/8	1/4	500	0.7	14.7	8421 0500 06	013-U	8421 0500 07
LBB26 EPX-019 <sup>a</sup>	1900	3/8	0.79	1.7	14.5	31.8	10.0	3/8	1/4	500	0.7	9.9	8421 0500 24	019-U	8421 0500 25
LBB26 EPX-026 <sup>a</sup>	2600	5/16	0.79	1.7	14.5	31.8	10.0	10.0	3/8	500	1/4	0.7	7.7	026-U	8421 0500 08
LBB26 EPX-033 <sup>a</sup>	3300	5/16	0.69	1.5	14.5	31.8	10.0	10.0	3/8	500	1/4	0.7	5.7	033-U	8421 0500 10
LBB26 EPX-045 <sup>a</sup>	4500	5/16	0.69	1.5	14.5	31.8	10.0	10.0	3/8	500	1/4	0.7	4.1	045-U	8421 0500 12
LBB26 EPX-060 <sup>a</sup>	6000	5/16	0.69	1.5	14.5	31.8	10.0	10.0	3/8	500	1/4	0.7	3.3	060-U	8421 0500 14
LBB26 EPX-200 <sup>a</sup>	22000	1/4	0.69	1.5	14.5	31.8	10.0	10.0	3/8	500	1/4	0.7	0.8	200-U	8421 0500 28
LBB36 H005 <sup>b</sup>	500	–	1.2	3.3	16.5	34.9	10	10.0	3/8	700	3/8	0.9	43.8	-H005U	–
LBB36 H007 <sup>b</sup>	700	1/2	1.6	3.5	16.5	34.9	10	10.0	3/8	700	3/8	0.9	37.2	-H007U	8421 0408 07
LBB36 H013 <sup>a</sup>	1300	3/8	1.5	3.3	16.5	34.9	10.0	10.0	3/8	700	3/8	0.9	19.5	-H013U	8421 0408 15
LBB36 H026 <sup>a</sup>	2600	3/8	1.2	2.5	16.5	34.9	10.0	10.0	3/8	700	3/8	0.9	10.3	-H026U	8421 0408 33
LBB36 H033 <sup>a</sup>	3300	3/8	1.2	2.5	16.5	34.9	10.0	10.0	3/8	700	3/8	0.9	8.6	-H033U	8421 0408 41
LBB36 H060 <sup>a</sup>	6000	1/4	1.2	2.5	16.5	34.9	10.0	10.0	3/8	700	3/8	0.9	5.0	-H060U	8421 0408 49
LBB36 H200 <sup>a</sup>	22000	1/4	1.0	2.2	16.5	34.9	10.0	10.0	3/8	700	3/8	0.9	1.3	-H200U	8421 0408 55
LBB37 H006	600	1/2	1.2	2.5	20.5	44.0	10.0	10.0	3/8	820	3/8	1.1	48.0	-H006U	8421 0608 06
LBB37 H015	1500	3/8	1.5	3.3	20.5	44.0	10.0	10.0	3/8	820	3/8	1.1	22.5	-H015U	8421 0608 05
LBB37 H037	3700	3/8	1.2	2.5	20.5	44.0	10.0	10.0	3/8	820	3/8	1.1	9.2	-H037U	8421 0608 13
LBB37 H065	6500	1/4	1.2	2.5	20.5	44.0	10.0	10.0	3/8	820	3/8	1.1	5.0	-H065U	8421 0608 11
LBB37 H230	23000	1/4	1.0	2.2	20.5	44.0	10.0	10.0	3/8	820	3/8	1.1	1.3	-H230U	8421 0608 03
LBB45 H004 <sup>b</sup>	400	5/8	4.3	9.3	10.0	21.0	10.0	10.0	3/8	700	1/4	0.9	–	–	8421 0501 16
LBB45 H006 <sup>b</sup>	600	5/8	4.3	9.3	10.0	21.0	10.0	10.0	3/8	700	1/4	0.9	–	-H006U	8421 0501 24
LBB45 H017 <sup>b</sup>	1700	5/8	4.2	9.3	10.0	21.0	10.0	10.0	3/8	700	1/4	0.9	–	–	8421 0501 32

<sup>a</sup> Including chuck guard <sup>b</sup> Including support handle

# Accessories

## Key chucks

Mount	Check clic mm	Chuck capacity in	Ordering No.		
			Chuck (key incl)	Key only	Key designation
1/2-20UNF	43	5/8	4021 0289 01	4021 0465 00	S2
3/8-24UNF	30	1/4	4021 0283 00	4021 0293 00	S1
3/8-24UNF	30	5/16	4021 0495 00	4021 0293 00	S1
3/8-24UNF	36	3/8	4021 0416 00	4021 0449 00	S8
3/8-24UNF	46	1/2	4021 0289 00	4021 0465 00	S2
JT3	59	5/8	4021 0423 00	4021 0301 00	S3



Key chuck

## Quick chucks

Mount	Chuck dia mm	Chuck capacity in	Ordering No.
3/8-24UNF	34	1/4	4021 0400 00
3/8-24UNF	34	5/16	4021 0401 00
3/8-24UNF	36	3/8	4021 0402 00
3/8-24UNF	36	1/2	4021 0403 00



Quick chuck

## Power feed arm for extra feed force - LBB36 H005 AND LBB37 H006

For model	Ordering No.
Adapter piece (SR295), lever arm (SR201), chain (SR202) and NO. 2 Morse socket (SR206)	4110 1416 80
Two extension pieces (SR204-1 and SR204-2), 370 and 750 mm long	4110 1417 80
No. 2 Morse socket	4110 1416 01



Power feed arm

## Chuck guards

For model	Max chuck dia mm	Ordering No.
LBB26	36	4110 1728 02
LBB26	30	4110 1728 03
LBB36 <sup>a</sup>	36	4110 1415 00
LBB37 <sup>a</sup>	36	4110 1415 00

<sup>a</sup> The chuck guards do not fit the 500 r/min, 600 r/min or 700 r/min models.



Chuck guard

## Support handles

For model	Ordering No.
LBB26	4110 1355 95
LBB36/37	4110 1355 82
LBB45	4110 1355 84



Support handle

# Productivity Kit

Model	Max air flow	Hose 16.4 ft	Coupling	Lubrication	Ordering No.
MIDI F/RD EQ08US-C08	19 cfm	Cablair 08	ErgoQIC 08US	Yes	8202 0850 23
MIDI F/R EQ08US-C08	19 cfm	Cablair 08	ErgoQIC 08US	No	8202 0850 24
MIDI F/RD EQ10US-R10	34 cfm	Rubair 10	ErgoQIC 10US	Yes	8202 0850 26
MIDI F/RD EQ10US-C13	50 cfm	Cablair 13	ErgoQIC 10US	Yes	8202 0850 27
MIDI F/RD EQ10US-R13	50 cfm	Rubair 13	ErgoQIC 10US	Yes	8202 0850 28

# Drills

## tappers



Atlas Copco TAPPERS are designed for tapping and thread-cleaning operations with thread taps. The tools are fitted with a tap chuck as standard.

- Comfortable and effective – The ergonomically designed handle gives a comfortable grip and maximum performance.
- Higher productivity – Double speed when you withdraw the machine.
- Low noise level – Rear-directed exhaust gives a lower noise level.
- Lubrication-free – For a clean working environment and operator comfort.
- Quick change system – Upgrade your old tool, or order a new one with this system. Various tap holders can be used to change a broken tap or to change to a different tap size.
- Lower cost – The efficient air motor, together with interchangeable components from our standard drills, cut your costs.

Model	Free speed		Tapping capacity in	Weight		Hose dimension		Air inlet thread NTP	Air consumption		With chuck Ordering No.
	Forward r/min	Reverse r/min		kg	lb	mm	in		l/s	cfm	
<b>Pistol-grip tappers with air supply through handle</b>											
LGB34 H007	700	1400	3/8	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 66
LGB34 H007Q <sup>a</sup>	700	1400	3/8	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 76
LGB36 H007Q <sup>a</sup>	700	1400	1/2	2.0	4.4	10.0	3/8	3/8	16.5	34.9	8421 0411 00
<b>Straight tappers</b>											
LGB34 S007	700	1400	3/8	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 72

<sup>a</sup> Quick change system.

Taper: Jacob 1

## Accessories Included

### Non Quick change system

LGB34 Chuck complete with collet 6.4-10 mm 4021 0469 00

### Quick change system

Chuck plus one tap holder with collet for M6 shank Ø 6.3 mm.

## Optional Accessories

### Collets for non Quick change system

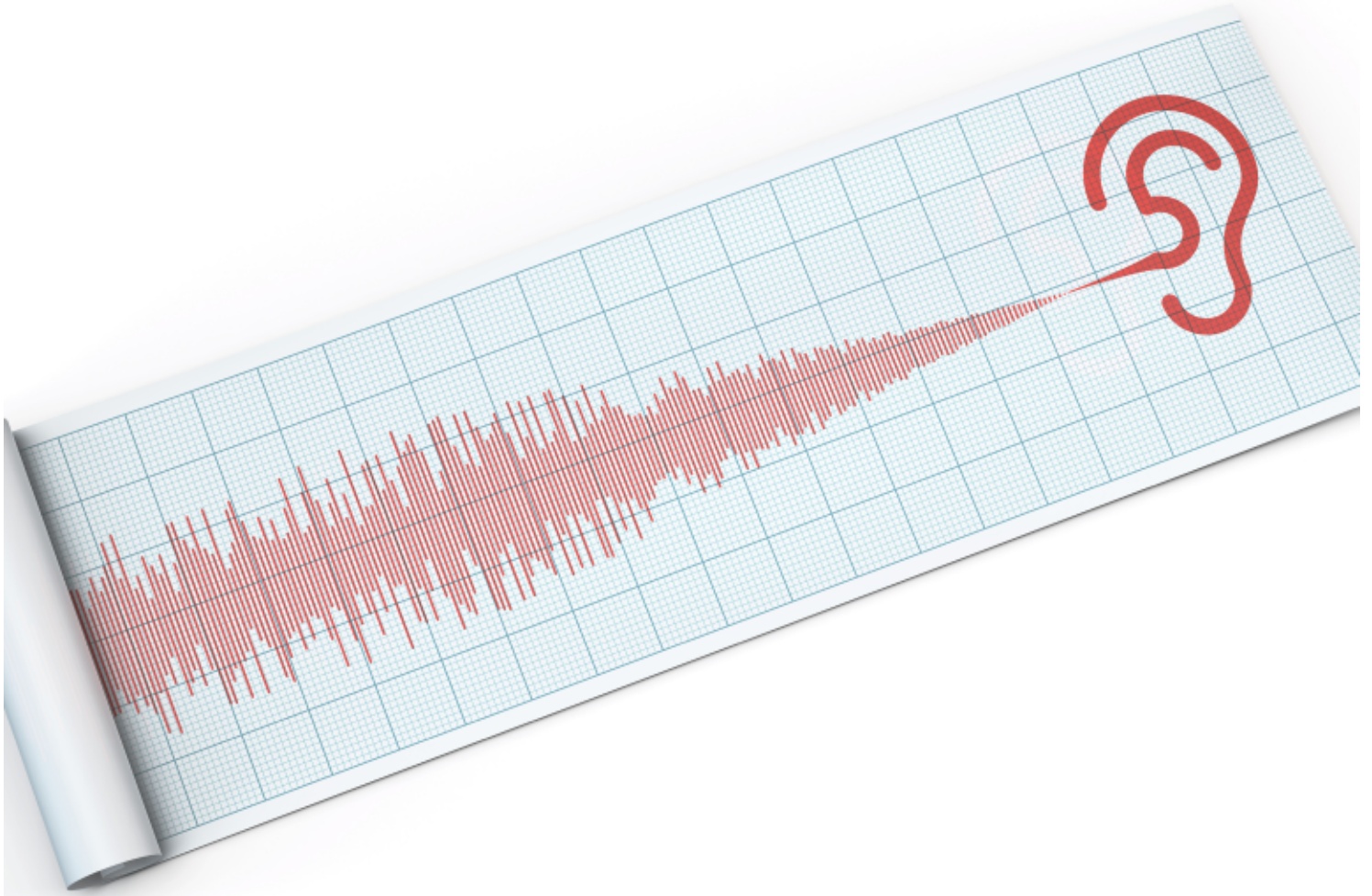
Model	Capacity		Ordering No.
	mm	inch	
LGB34	3.5 - 6.5	0.139 - 0.257	4021 0337 00
	4.5 - 8.1	0.176 - 0.320	4021 0336 00
	6.4 - 9.7	0.253 - 0.383	4021 0456 00

### Completing existing equipment with Quick change system

Accessories	Length mm	Ordering No.
Quick change chuck	47	4021 0406 90
Tap holder	58	4021 0408 00

### Collets for Quick change system

Collets for tap size mm	Shank dia		Ordering No.
	mm	in	
M2.2/M2.5	2.8		4021 0414 01
M3	3.15	1/8	4021 0414 02
M3.5	3.5		4021 0414 03
M4	4.0		4021 0414 04
M4.5	4.5		4021 0414 05
M5	5.0	3/16	4021 0414 06
M5.5	5.6	7/32	4021 0414 07
M6	6.4	1/4	4021 0414 08
M6 (DIN)	6.0		4021 0414 13
M7	7.1	9/32	4021 0414 09
M8/M11	8.0	5/16 & 7/16	4021 0414 10
M9/M12	9.0	1/2	4021 0414 11
M10	10.0	3/8	4021 0414 12



## Safe and sound

Sound is a wonderful thing. It carries the tunes of great rock music, the rhythmic uproar of waves breaking and the clatter of kids playing. And it can be generated by powerful engines and tools.

However, sound is easily and quite seamlessly turned to noise. Brief exposure to alarmingly high noise levels can cause pain and inflict damage your hearing, but prolonged exposure to relatively high noise levels affect your operators.

This is why we continuously work on improving our tools, reducing the levels of noise, as well as keeping our customers informed on ergonomic keys to a healthier work environment.

How does that sound?



Scan the code  
to learn more  
about the initiative



# Product

safety

## This is your responsibility

Always read and understand the safety information supplied with the tool and on [www.atlascopco.com](http://www.atlascopco.com)  
All locally legislated safety rules regarding installation, operation and maintenance shall be respected at all times.

### 1. Check the free speed

- The measured speed at a pressure of 6.3 bars must not exceed the rated speed, which is marked on the grinder.
- Remove the grinding wheel and outer flange before checking the free speed.
- Carry out checks daily.
- Make sure the speed marking on the tool is legible.
- Return the machine for repair in the event of overspeeding.



### 2. Check the wheel guard

The wheel guard protects your health and safety.

- Always use the recommended wheel guard.
- Check that it is not damaged.
- Never use a grinder without the wheel guard.
- Position the wheel guard between yourself and the grinding wheel.

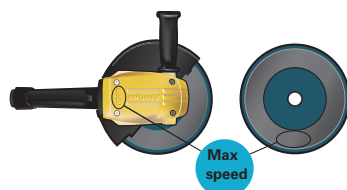
Check that the trigger is working correctly.

- The trigger must never be removed or fixed by tape for example.
- If the trigger is not working properly, make sure that it is replaced.



### 3. Maximum speed

Make sure that the stated maximum speed of the grinding wheel is greater than or equal to the speed specified on the grinder.



### 4. Check the grinding wheel

Make sure that the grinding wheel is not cracked or damaged in any way.

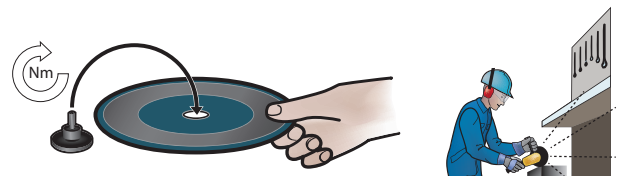
- The grinding wheel should have the correct hole dimensions and be fitted correctly on the spindle to avoid unbalanced vibrations.
- Damaged grinding wheels must be removed and replaced immediately.
- Do not use dropped or damaged wheels, as these can cause serious injuries.



### 5. Check the flange and wheel

Make sure that flange and wheel combinations correspond to national regulations.

- Check that the flanges are undamaged and clean.
- Attach the wheel with the recommended torque.
- Always disconnect the air supply when changing the wheel or adjusting the tool.
- Test-run your grinder in a protected area after assembling the wheel.
- Check that the grinder is working correctly.



## 6. Personal protection equipment

Make sure that operators wear:

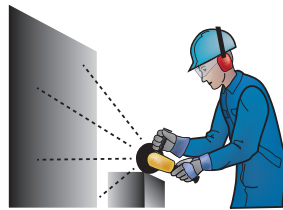
- Eye protection, goggles or a visor.
- Ear protection.
- Gloves.
- Steel toe-capped shoes.
- Protective clothing, such as a leather apron.
- A helmet (for heavier applications).
- Avoid loosely hanging clothing, hair, jewellery (risk of getting caught).



## 7. Working area

Ensure that the area in which you are working is kept free from other people so that no one can get injured.

- People nearby must also wear hearing and eye protection.
- Check that there is good ventilation and dust extraction from the premises.
- There should be a stand or a place available, on which the machine can be safely placed.
- Work within a sealed-off area, if possible with protecting walls, since there is a risk that broken discs could fly off.



## During work

Stop using the grinder if abnormally loud noises and vibrations occur during use. The grinder and its accessories must not be modified in any way.

## After the work is finished

Make sure the machine is switched off and has come to a complete stop before it is put down. Put down the tool carefully, so that there is no risk of the tool starting by itself.



## Maintenance

Make sure you follow the service instructions provided and the recommended service intervals. Do not dismantle safety-related parts such as the speed governor and overspeed shut off. These parts should be completely replaced when damaged.

Grinding wheel dia in	Surface feet per minute															
	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	12	12	14.2
	Revolutions per minute															
1	15.279	17.189	19.099	21.008	22.918	24.828	26.737	28.647	30.558	32.467	34.377	36.287	38.197	45.837	47.746	54.24
1 1/2	10.186	11.459	12.732	14.006	15.279	16.552	17.825	19.099	20.372	21.645	22.918	24.192	25.465	30.558	31.831	36.16
2	7.639	8.594	9.549	10.504	11.459	12.414	13.369	14.324	15.279	16.234	17.189	18.144	19.099	22.918	23.873	27.12
2 1/2	6.112	6.875	7.639	8.403	9.167	9.931	10.695	11.459	12.223	12.987	13.751	14.515	15.279	18.335	19.099	21.696
3	5.093	5.73	6.366	7.003	7.639	8.276	8.913	9.549	10.186	10.823	11.459	12.096	12.732	15.279	15.915	18.08
3 1/2	4.365	4.911	5.457	6.002	6.548	7.094	7.639	8.185	8.731	9.276	9.822	10.368	10.913	13.096	13.642	15.497
4	3.82	4.297	4.775	5.252	5.73	6.207	6.685	7.162	7.64	8.117	8.594	9.072	9.549	11.459	11.937	13.56
5	3.056	3.438	3.82	4.202	4.584	4.966	5.348	5.73	6.112	6.494	6.875	7.257	7.639	9.167	9.549	10.848
6	2.546	2.865	3.183	3.501	3.82	4.138	4.465	4.775	5.093	5.411	5.73	6.048	6.366	7.639	7.958	9.04
7	2.183	2.456	2.728	3.001	3.274	3.547	3.82	4.093	4.365	4.638	4.911	5.184	5.457	6.548	6.821	7.749
8	1.91	2.149	2.387	2.626	2.865	3.104	3.342	3.581	3.82	4.058	4.297	4.536	4.775	5.73	5.968	6.78
9	1.699	1.91	2.122	2.334	2.546	2.759	2.971	3.183	3.395	3.608	3.82	4.032	4.244	5.093	5.305	6.027

# *Fastening tools*

## *CONTENT*

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# Impact wrenches



Atlas Copco's powerful impact wrenches are designed to cut production times by providing rapid rundown and fast tightening. They offer high reliability and are designed to give trouble-free operation in the toughest conditions. Few tools can match Atlas Copco's impact wrenches when it comes to capacity-to-weight ratio and simplicity in use and maintenance.

## Selection Guide

Square drive size in	Recommended Torque range	Bolt size	Max torque
3/8	7 - 90	6 - 10	150
1/2	10 - 375	10 - 16	850
3/4	100 - 800	16 - 20	1900
1	300 - 1800	20 - 30	4450
1 1/2	1000 - 5500	30 - 42	10000

# Impact wrenches



LMS58 HR25



LMS18 HR13



LMS38 HR13

LMS pistol grip impact wrenches have a wide operating range. Equipped with an advanced impact mechanism, LMS will give you powerful tightening and disassembly with negligible reaction force.

The high capacity-to-weight ratio and state-of-the-art impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.

Model	Bolt size in	Square drive size in	Torque range ft lb	Max torque ft lb	Impacts per/min	Free speed r/min	Weight lb	Length excl anvil in	Air consumption cfm	Rec. hose size in	Air inlet thread NPT	Retainer			Ordering No.
												Pin	Ring	Through hole	
LMS18 HR13	3/8"	1/2"	7-81	110	1500	8100	3.2	5.7	18	3/8"	1/4"	●	-	-	8434 1180 00
LMS18 HR10	3/8"	3/8"	7-66	88	1650	8100	3.2	5.8	14	3/8"	1/4"	●	-	-	8434 1180 01
LMS18 HR13/F	3/8"	1/2"	7-81	110	1500	8100	3.2	5.7	18	3/8"	1/4"	-	●	-	8434 1180 02
LMS18 HR10/F	3/8"	3/8"	7-66	88	1650	8100	3.2	5.8	14	3/8"	1/4"	-	●	-	8434 1180 03
LMS28 HR13	1/2"	1/2"	22-155	287	1500	9500	4.1	5.8	18	3/8"	3/8"	●	-	-	8434 1280 00
LMS28 HR13/F	1/2"	1/2"	22-155	287	1500	9500	4.1	5.8	18	3/8"	3/8"	-	●	-	8434 1280 01
LMS38 HR13	9/16" - 5/8"	1/2"	29-276	627	1350	8000	5.7	6.6	21	3/8"	3/8"	●	-	-	8434 1380 00
LMS38 HR13/F	9/16" - 5/8"	1/2"	29-276	627	1350	8000	5.7	6.6	21	3/8"	3/8"	-	●	-	8434 1380 01
LMS48 HR20	5/8" - 3/4"	3/4"	74-405	1014	1100	6500	7.3	6.8	25.2	1/2"	3/8"	●	-	●	8434 1480 00
LMS58 HR25	3/4" - 7/8"	1"	221-590	1401	900	5500	10.6	8.3	30.5	1/2"	3/8"	●	-	●	8434 1580 00
LMS58 HR20	3/4"	3/4"	221-590	1401	900	5500	10.6	8.3	30.5	1/2"	3/8"	●	-	●	8434 1580 01
LMS68 HR25	7/8" - 1 1/8"	1"	442-1400	3282	780	5000	21.5	9.9	58.9	5/8"	1/2"	●	-	●	8434 1680 01



LMS68 GIR25

LMS straight versions offer superior performance with a maximum torque of 10,000 reaction-free Nm.

The high capacity-to-weight ratio and advanced impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.



LMS08 SR10

Model	Bolt size in	Square drive size in	Torque range ft lb	Max torque ft lb	Impacts per min	Free speed r/min	Weight lb	Length excl anvil in	Air consumption cfm	Rec. hose size in	Air inlet thread NPT	Retainer			Ordering No.
												Pin	Ring	Through hole	
LMS08 SR42	1/4" - 5/16"	1/4" <sup>a</sup>	5-26	44	1650	12500	1.9	7.3"	9.1	1/4"	1/4"	-	-	-	8434 1081 06
LMS08 SR10	1/4" - 5/16"	3/8"	5-33	48	1650	12500	1.9	7.2"	9.1	1/4"	1/4"	●	-	-	8434 1081 11
LMS68 GIR25	7/8" - 1 1/8"	1"	442-1400	3282	780	5000	21	13.4"	59.3	5/8"	1/2"	-	-	●	8434 1680 00
LMS68 GOR25	7/8" - 1 1/8"	1"	442-1400	3282	780	5000	21	13.4"	59.3	5/8"	1/2"	-	-	●	8434 1680 02
LMS88 GIR38	1 1/8" - 1 3/4"	1 1/2"	737-4054	7370	540	3800	33	15"	69.9	5/8"	1/2"	-	-	●	8434 1880 00
LMS88 GOR38	1 1/8" - 1 3/4"	1 1/2"	737-4054	7370	540	3800	33	15"	69.9	5/8"	1/2"	-	-	●	8434 1880 01

<sup>a</sup> Female hex. quick change chuck.  
GOR = Outside trigger.

GIR = Inside trigger.  
Torque measured from Skidmore with fixed sensors

## Accessories

Suspension yoke	Ordering No.
LMS18-58	4250 0872 90
LMS68 GIR25/GOR25/HR25	4250 0677 81
LMS88 GIR38/GOR38	0371 1102 00

## Service Kits

	Ordering No.
LMS08	4081 0465 90
LMS18	4081 0466 90
LMS28	4081 0467 90
LMS38	4081 0468 90
LMS48	4081 0461 90
LMS58	4081 0445 90
LMS68	4081 0442 90
LMS88	4081 0443 90



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# The ACTW Torque Wrench





**Atlas Copco PRO Torque Wrenches** are manufactured to meet global standards of accuracy for customer torquing needs. The series can be used as a stand-alone product or together with Atlas Copco Impact Wrenches to ensure that the correct torque has been applied for non-critical applications.

All of these click type torque wrenches come with a quality ratchet head that provides a distinctive and audible click sound. The series comes in different models covering a torque range of 5-1000 Nm. The series provides a +4% accuracy based on the EN ISO 6789:2003 standard.

### Features

- Compact design
- Light weight
- Operator feedback
- High accuracy

### Benefits

- Easy to reach cramped spaces
- Durable aluminum handle for easy operator handling
- Audible click sound for real time operator feedback
- Up to 25,000 cycles

Model	Square drive size in	Length mm	Torque range (min-max) ft lb	Weight lb	Ordering No.
ACTW05	1/4"	248	44-221 (in lb)	0.8	8434 0300 01
ACTW20	3/8"	408	15-74	2.6	8434 0300 02
ACTW40	1/2"	519	30-148	3.5	8434 0300 03
ACTW150	3/4"	1124	110-553	12.5	8434 0300 04
ACTW200	1"	1224	148-738	14.3	8434 0300 05

# High torque nutrunners





With the Atlas Copco LMP/LTP61 range of twin-motor pistol grip nutrunners you get the highest possible torque and speed in relation to the weight of the tool. Fast, accurate and highly user-friendly, the tools are available in reversible versions for maximum flexibility.

# High torque

*nutrunners*



LMP61 H900-25

The twin motors in the **LMP61** pistol grip nutrunner gives extremely fast rundown and high accuracy with minimum air consumption. The torque level on **LMP** models depends on the pressure of the air fed to the tool – higher pressure creates higher torque. A swiveling function makes tool positioning easy and they are available in reversible and non-reversible versions.

Model	Bolt size in	Square drive in	Max torque at 91 psi ft lb	Min torque at 43 psi ft lb	Free speed r/min	Weight <sup>a</sup> lb	Length in	Air consumption at free speed cfm	Recommended hose size in	Air inlet thread NPT	Spline type	Ordering No.
<b>Non-reversible</b>												
LMP61 H230-19	5/8"	3/4"	170	95	1000	6.6	8.8"	42	1/2"	3/8"	3	8431 0803 19
LMP61 H350-20	3/4"	3/4"	260	145	650	8.6	10.2"	42	1/2"	3/8"	4	8431 0803 26
LMP61 H500-20	3/4"	3/4"	370	220	450	8.6	10.2"	42	1/2"	3/8"	4	8431 0803 33
LMP61 H900-25	1"	1"	665	365	260	9.9	11.1	42	1/2"	3/8"	5	8431 0803 47
<b>Reversible</b>												
LMP61 HR170-13	9/16"	1/2"	125	75	1400	6.6	9.4"	42	1/2"	3/8"	3	8431 0804 11
LMP61 HR230-19	5/8"	3/4"	170	95	1000	6.6	10.8"	42	1/2"	3/8"	3	8431 0804 18
LMP61 HR350-20	3/4"	3/4"	260	145	650	8.6	10.8"	42	1/2"	3/8"	4	8431 0804 25
LMP61 HR500-20	3/4"	3/4"	370	220	450	8.6	12.6	42	1/2"	3/8"	4	8431 0804 32
LMP61 HR700-25	7/8"	1"	520	295	350	9.9	12	42	1/2"	3/8"	5	8431 0804 39
LMP61 HR900-25	1"	1"	665	365	260	9.9	12	42	1/2"	3/8"	5	8431 0804 46
LMP61 HR1500-25	1 1/8"	1"	1180	660	140	14.9	13.6"	42	1/2"	3/8"	9	8431 0804 53

<sup>a</sup> Weight excluding reaction bar.

## Accessories Included

For LMP61/LTP61	For LTP61 HR1900/2800/3800
Suspension yoke	Suspension yoke
Protective cover	Protective cover
	Reaction arm



LTP61 HR900-25-MT

LTP61 pistol grip nutrunners are equipped with twin motors and a shut-off valve that ensures that the tool shuts down when the preset torque level is reached.

The torque-to-weight ratio is extremely high, and the tool is reversible. On the LTP61 HR900-25-MT a Multi Torque Selector makes it possible to preset up to four different shut-off levels. This is an efficient solution where various assembly operations take place, multistage tightening operations are required, or many torque settings are needed.

Model	Bolt size in	Square drive in	Max torque range at 91 psi ft lb	Min torque at 43 psi ft lb	Free speed r/min	Weight <sup>a</sup> lb	Length in	Air consumption at free speed cfm	Recommended hose size in	Air inlet thread NPT	Spline type	Ordering No.
<b>Non reversible</b>												
LTP61 H100-13	1/2"	1/2"	40-75	35	1800	6.6	8.78"	42	1/2"	3/8"	3	8431 0800 07
LTP61 H170-13	9/16"	1/2"	70-125	50	1100	6.6	8.78"	42	1/2"	3/8"	3	8431 0800 14
LTP61 H230-19	5/8"	3/4"	90-170	60	820	6.6	8.78"	42	1/2"	3/8"	3	8431 0800 21
LTP61 H350-20	3/4"	3/4"	140-255	105	520	8.6	10.24"	42	1/2"	3/8"	4	8431 0800 28
LTP61 H500-20	3/4"	3/4"	200-370	160	360	8.6	10.24"	42	1/2"	3/8"	4	8431 0800 35
LTP61 H700-25	7/8"	1"	265-480	207	280	9.9	12"	42	1/2"	3/8"	5	8431 0800 42
LTP61 H900-25	1"	1"	350-640	220	210	9.9	11.10"	42	1/2"	3/8"	5	8431 0800 49
LTP61 H1500-25	1 1/8"	1"	625-1100	516	115	14.5	12.72"	42	1/2"	3/8"	9	8431 0800 56
<b>Reversible</b>												
LTP61 HR100-13	1/2"	1/2"	40-75	35	1800	6.6	9.25"	42	1/2"	3/8"	3	8431 0801 08
LTP61 HR170-13	9/16"	1/2"	70-125	50	1100	6.6	9.37"	42	1/2"	3/8"	3	8431 0801 15
LTP61 HR230-19	5/8"	3/4"	90-170	60	820	6.6	10.83"	42	1/2"	3/8"	3	8431 0801 22
LTP61 HR350-20	3/4"	3/4"	140-255	105	520	8.6	10.83"	42	1/2"	3/8"	4	8431 0801 29
LTP61 HR500-20	3/4"	3/4"	200-370	160	360	8.6	10.83"	42	1/2"	3/8"	4	8431 0801 36
LTP61 HR700-25	7/8"	1"	265-480	207	280	9.9	12"	42	1/2"	3/8"	5	8431 0801 43
LTP61 HR900-25	1"	1"	350-640	220	210	9.9	12"	42	1/2"	3/8"	5	8431 0801 50
LTP61 HR1500-25	1 1/8"	1"	625-1100	516	115	14.5	13.58"	42	1/2"	3/8"	9	8431 0801 57
LTP61 HR1900-38	1 1/8"	1 1/2"	770-1400	590	90	31.0	14.96"	42	1/2"	3/8"	8	8431 0801 64
<b>Prevailing applications</b>												
<b>Non reversible</b>												
LTP61 PH100-13	1/2"	1/2"	45-80	33	700	6.6	8.78"	42	1/2"	3/8"	3	8431 0807 04
LTP61 PH170-13	9/16"	1/2"	75-135	52	440	6.6	8.78"	42	1/2"	3/8"	3	8431 0807 12
LTP61 PH230-19	5/8"	3/4"	95-180	66	320	6.6	8.78"	42	1/2"	3/8"	3	8431 0807 17
LTP61 PH350-20	3/4"	3/4"	155-275	110	200	8.6	10.24"	42	1/2"	3/8"	4	8431 0807 24
LTP61 PH500-20	3/4"	3/4"	220-380	150	140	8.6	10.24"	42	1/2"	3/8"	4	8431 0807 31
LTP61 PH700-25	7/8"	1"	295-500	205	100	9.9	12"	42	1/2"	3/8"	5	8431 0807 38
LTP61 PH900-25	1"	1"	370-665	260	80	9.9	11.1"	42	1/2"	3/8"	5	8431 0807 41
<b>Prevailing applications - reversible</b>												
LTP61 PHR700-25	7/8"	1"	295-500	205	115	9.9	12"	42	1/2"	3/8"	5	8431 0807 55
LTP61 PHR900-25	1"	1"	370-665	260	85	9.9	12"	42	1/2"	3/8"	5	8431 0807 62
LTP61 PHR1500-25	1 1/8"	1"	665-1180	480	45	14.9	13.58"	42	1/2"	3/8"	9	8431 0807 68
<b>Multi torque selector</b>												
LTP61 HR500-20-MT	3/4"	3/4"	200-370	160	360	9.2	12.8"	42	1/2"	3/8"	4	8431 0806 30
LTP61 HR700-25-MT	7/8"	1"	265-480	207	280	10.6	13.98"	42	1/2"	3/8"	5	8431 0806 33
LTP61 HR900-25-MT	1"	1"	350-640	220	210	10.6	13.98"	42	1/2"	3/8"	5	8431 0806 37
LTP61 HR1500-25-MT	1 1/8"	1"	625-1100	516	115	15.6	15.55"	42	1/2"	3/8"	9	8431 0806 44

<sup>a</sup> Weight excluding reaction bar.

NOTE: H/HR models - Change over torque is around 4% of maximum torque on a given air pressure.

NOTE: PH models - Change over torque is around 15% of maximum torque on a given air pressure.

# Productivity Kits

Model	Economical flow	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
<b>For small nutrunners with 3/8" BSP air inlet</b>						
MIDI F/RD EQ08-C10	13 l/s	16 l/s	Cabclair 10 mm	ErgoQIC 08	Yes	8202 0850 07
<b>For small nutrunners with 1/4" BSP air inlet</b>						
MIDI F/RD EQ08-C10	13 l/s	16 l/s	Cabclair 10 mm	ErgoQIC 08	Yes	8202 0850 03
MIDI F/RD EQ10-R10	13 l/s	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 16
<b>For nutrunners with 3/8" BSP air inlet</b>						
MIDI F/RD EQ10-C13	21 l/s	23 l/s	Cabclair 13 mm	ErgoQIC 10	Yes	8202 0850 02
<b>For nutrunners with 1/4" BSP air inlet</b>						
MIDI F/RD EQ10-C13-1/4	27 l/s	23 l/s	Cabclair 13 mm	ErgoQIC 10	Yes	8202 0850 11
<b>For nutrunners with 3/8" BSP air inlet</b>						
MIDI F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
<b>For nutrunners with 1/2" BSP air inlet</b>						
MIDI F/R EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13

# Accessories

## For LMP/LTP61

Model	Ordering No.
Hose nipple	9000 0242 00
Exhaust hose	4210 2201 00
Protective cover	
Standard LTP61	4210 4672 00
LTP 61 with MT unit	4210 4672 01
Multi torque selector LTP61	4210 4636 95
Quick change retainer	
– 1/2" square models	4250 1190 00
– 3/4" square models	4210 3476 80
– 1" square models	4210 3524 80
Shut-off override for LTP61	4210 3545 80
Swivelling type MultiFlex connector 3/8" (BSP)	8202 1350 22
Swivelling type MultiFlex connector 3/8" (NPT)	8202 1350 28

## Swivelling suspension yoke LMP/LTP61

Model	Ordering No.
<b>Mounting dia Ø 2-1/2"</b>	
PH/H 230-19	4210 3088 80
PH/H 350-20	
PH/H 500-20	
PH/H 900-25	
<b>Mounting dia Ø 2-3/8"</b>	
HR 170-13	4210 3088 84
HR 230-19	
<b>Mounting dia Ø 2-1/2"</b>	
HR 1900-38	4210 3088 83
HR 2800-38	
HR 3800-38	
<b>Mounting dia Ø 2-5/8"</b>	
HR 350-20	4210 3088 82
HR 500-20	
PHR/HR 700-25	
PHR/HR 900-25	
HR 1900-38	4210 3088 85
HR 2800-38	
HR 3800-38	
<b>Mounting dia Ø 3-9/32"</b>	
HR 1500-25	4210 3088 81

## Reaction bars LMP/LTP61

Spline type	Square drive size LxWxH	CC distance in	Ordering No.
<b>Steel bar</b>			
Spline 1	10-9/16"x 1-27/64"x 45/64"	-	4210 1798 01
Spline 2	10-5/8"x 1-3/8" x 13/32"	-	4220 1903 00
Spline 3	15-3/4"x 2-7/32"x 15/32"	-	4210 2219 80
Spline 4	7-11/16"x 2-7/16"x 19/32"	-	4210 2183 80
Spline 5	7-11/16"x 2-7/16"x 19/32"	-	4210 2726 80
Spline 6	10-1/16"x 3-5/32"x 19/32"	-	4220 1200 01
Spline 8	7-11/16"x 5-29/32"x 25/32"	-	4210 3899 03
Spline 9	5-29/32"x 3-11/32"x 25/32"	-	4210 3899 80
<b>Square steel bracket</b>			
Spline 3	3-15/16"x 1-31/32" x 15/32"	-	4210 2219 03
Spline 4	4-59/64"x 2-9/16"x 5/8"	-	4210 2183 01
Spline 5	4-59/64"x 2-9/16"x 5/8"	-	4210 2726 01
Spline 6	7-7/8"x 3-15/16"x 19/32"	-	4220 1200 00
Spline 7	9-27/32"x 5-29/32" x 25/32"	-	4220 1445 00
Spline 8	9-27/32" x 6-19/64" x 25/32"	-	4220 1972 91
Spline 9	5-29/32"x 3-11/32" x 25/32"	-	4210 3899 01
<b>Triangular steel bracket</b>			
Spline 2	2-7/8"x 2-53/64"x 35/64"	-	4220 2137 02
Spline 3	3-15/64"x 3-5/32" x 19/32"	-	4220 2137 03
Spline 6	4-13/32"x 4-19/64" x 19/32"	-	4220 2137 06
Spline 6	5-29/32"x 5-45/64" x 25/32"	-	4220 2137 16
<b>Sliding drive reaction bar</b>			
Spline 3	1/2"	2-3/4" - 4-3/4"	4210 4481 83
Spline 3	3/4"	2-3/4" - 4-3/4"	4210 4481 63
Spline 4	3/4"	3-1/64"-4-31/32"	4210 4481 84
Spline 4	3/4"	3-7/32"- 8-19/32"	4210 4616 84
Spline 5	1"	3-5/32"-4-59/64"	4210 4481 85
Spline 5	1"	3-7/32"- 8-19/32"	4210 4616 85
Spline 9	1"	3-5/32"- 5-1/8"	4210 4481 89
Spline 9	1"	3-5/32"- 11-1/32"	4210 4616 89
<b>SType reaction bar</b>			
Spline 3	4-21/64"x 45/64"x 15/32"	-	4210 4480 03
Spline 4	4-23/32"x 55/64"x 19/32"	-	4210 4480 04
Spline 5	5-1/8"x 63/64"x 19/32"	-	4210 4480 05
Spline 6	4-59/64"x 63/64"x 19/32"	-	4210 4480 06
Spline 8	7-7/8"x 2-9/16" x 25/32"	-	4210 4480 08
Spline 9	6-19/64"x 1-37/64"x25/32"	-	4210 4480 09
<b>LType aluminum bar</b>			
Spline 3	(10-15/32"+ 11-13/16") x 1-9/64"x 19/32"	-	4210 2219 08
Spline 4	(5-43/64"+ 5-29/32") x 1-21/32"x 19/32"	-	4210 2183 08
<b>Straight aluminum bar</b>			
Spline 3	L = 1' 3- 3/4"	-	4210 2219 01
<b>Extended sliding drive reaction bar</b>			
Spline 5	1"	2-43/64"- 4-13/32"	4210 4498 80
<b>Extended sliding tube reaction bar</b>			
Spline 5	1"	2-43/64"- 4-13/32"	4210 4498 82
<b>Bracket stepped</b>			
Spline 1	2-3/4" x 1-27/64" x 33/64"	-	4210 1798 02
Spline 2	2-3/4"x 1-39/64" x 35/64"	-	4210 2134 02

## Service Kits

Model	Trigger kit	General service kit	Ordering No.
LMP/LTP61	4210219091	4081039790	
Spline 5	1"	2-43/64"- 4-13/32"	4210 4498 80
<b>Extended sliding tube reaction bar</b>			
Spline 5	1"	2-43/64"- 4-13/32"	4210 4498 82
<b>Bracket stepped</b>			
Spline 1	2-3/4" x 1-27/64" x 33/64"	-	4210 1798 02
Spline 2	2-3/4"x 1-39/64" x 35/64"	-	4210 2134 02
LMP/LTP61	4210219091	4081039790	

# RTP

*pneumatic nutrunners*



RTP1300



RTP8100

The light weight of the **RTP NUTRUNNER** will surprise you, yet its high speed motor has the power you need to tighten big bolts. A robust, lightweight reaction bar absorbs the torque. Noise and vibration levels are lower than in traditional impact wrenches.

Among the smallest on the market, the RTP's slim gearpack gives you effortless access to bolts in cramped spaces. Tightening accuracy and repeatability are high.

Plug & play! Simply connect the RTP to your air line and start working with it. The torque output of the RTP is adjusted with an Atlas Copco FRL air pressure unit, helping to prolong the lifetime and torque accuracy of the tool. The tool's exchangeable drive simplifies maintenance and cuts repair costs.

## RTP nutrunner Kit

Model	Bolt size in	Square drive in	Min torque at 22 psi ft lb	Max torque at 91 psi ft lb	Free speed r/min	Weight lb	Length in	CS distance in	Air consumption at free speed cfm	Rec. hose size in	Air inlet thread in	Ordering No.
RTP 1300 - HR20	3/4 - 1 1/16	3/4	236	960	20	8.2	9.8	1.26	48.7	1/2	3/8	8431 1013 10
RTP 2600 - HR25	3/4 - 1 3/8	1	520	1900	10	11	11.8	1.34	48.7	1/2	3/8	8431 1026 10
RTP 4100C - HR25	3/4 - 1 3/4	1	738	3000	10	15.7	12.5	1.61	65.5	1/2	3/8	8431 1041 10
RTP8100 - GIR38	1 1/4 - 2	1 1/2	1600	6000	10	30	17.5	2.01	105	1/2	1/2	8431 1081 10

<sup>a</sup>Weight excluding reaction bar.

NOTE: For all models in the table declared noise and vibration emissions according to ISO 28927-2 and ISO 15744. Sound pressure level for RTP1300 HR20 is 90 dB(A), RTP2600-HR25 90 dB(A), RTP4100C-HR25 90 dB(A), RTP8100-GIR38 99 dB(A) and vibration value for all models are <2.5 m/s<sup>2</sup>.

## Accessories Included

Model	Description	Ordering No.
RTP 1300	Reaction bar, S-type	4210 4480 90
RTP 2600	Reaction bar, S-type	4210 4480 94
RTP 4100C	Reaction bar, S-type	4210 4480 85
RTP 8100	Reaction bar, S-type	4210 4480 92
RTP 1300 / 2600 / 4100C	Hose kit, Turbo 13 M 10 NPT	8202 1350 69
RTP 8100	Hose kit, Turbo 13 M 15 NPT	8202 1181 91
RTP 1300 / 2600/ 4100 / 8100	Productivity kit FRL stand, NPT <sup>b</sup>	9090 3030 13

<sup>a</sup> Hose not included

## Optional Accessories

Model	Description	Ordering No.
RTP1300 / 2600 / 4100C	Dual trigger, NPT	4210 4780 85
RTP1300 / 2600 / 4100C	MultiFlex swivel 3/8 NPT	8202 1350 28
RTP8100	MultiFlex swivel 1/2 NPT	8202 1350 30
RTP1300	Suspension yoke	4210 3088 83
RTP2600	Suspension yoke	4210 3088 82
RTP4100C	Suspension yoke	4210 3088 81
RTP8100	Suspension yoke	4210 4780 90
RTP2600	Nose extension 300 mm/12"	4210 0260 80

## Optional Reaction Bars

Model	Description	Ordering No.
RTP1300	Reaction bar, sliding-drive	4210 4752 90
RTP1300	Reaction bar, steel bar	4210 4757 90
RTP1300	Reaction bar, square bracket	4210 4758 90
RTP2600	Reaction bar, sliding-drive	4210 4752 93
RTP2600	Reaction bar, steel bar	4210 4757 93
RTP2600	Reaction bar, square bracket	4210 4758 93
RTP4100C	Reaction bar, sliding-drive	4210 4752 85
RTP4100C	Reaction bar, steel bar	4210 4757 85
RTP4100C	Reaction bar, square bracket	4210 4758 85
RTP8100	Reaction bar, sliding-drive	4210 4752 92
RTP8100	Reaction bar, steel bar	4210 4757 92
RTP8100	Reaction bar, square bracket	4210 4758 92

**NOTE:** All reaction bars includes a snap ring

## Service Kits

Model	Description	Ordering No.
RTP1300	Small parts kit	4082 0125 90
RTP2600	Small parts kit	4082 0148 90
RTP8100	Small parts kit	4082 0126 90
RTP1300	Service kit	4081 0510 90
RTP2600	Service kit	4081 0510 90
RTP8100	Service kit	4081 0511 90
RTP4100C	Maintenance kit - Gear	4082 0243 90
RTP4100C	Maintenance kit - Motor	4082 0244 90
RTP4100C	Maintenance kit - Motor housing	4082 0245 90

S-type



Productivity kit FRL



Dual trigger



Nose extension



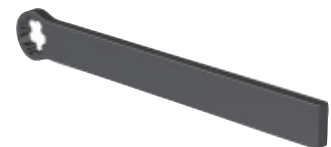
Square bracket



Sliding drive



Steel bar



# Hydraulic torque wrenches



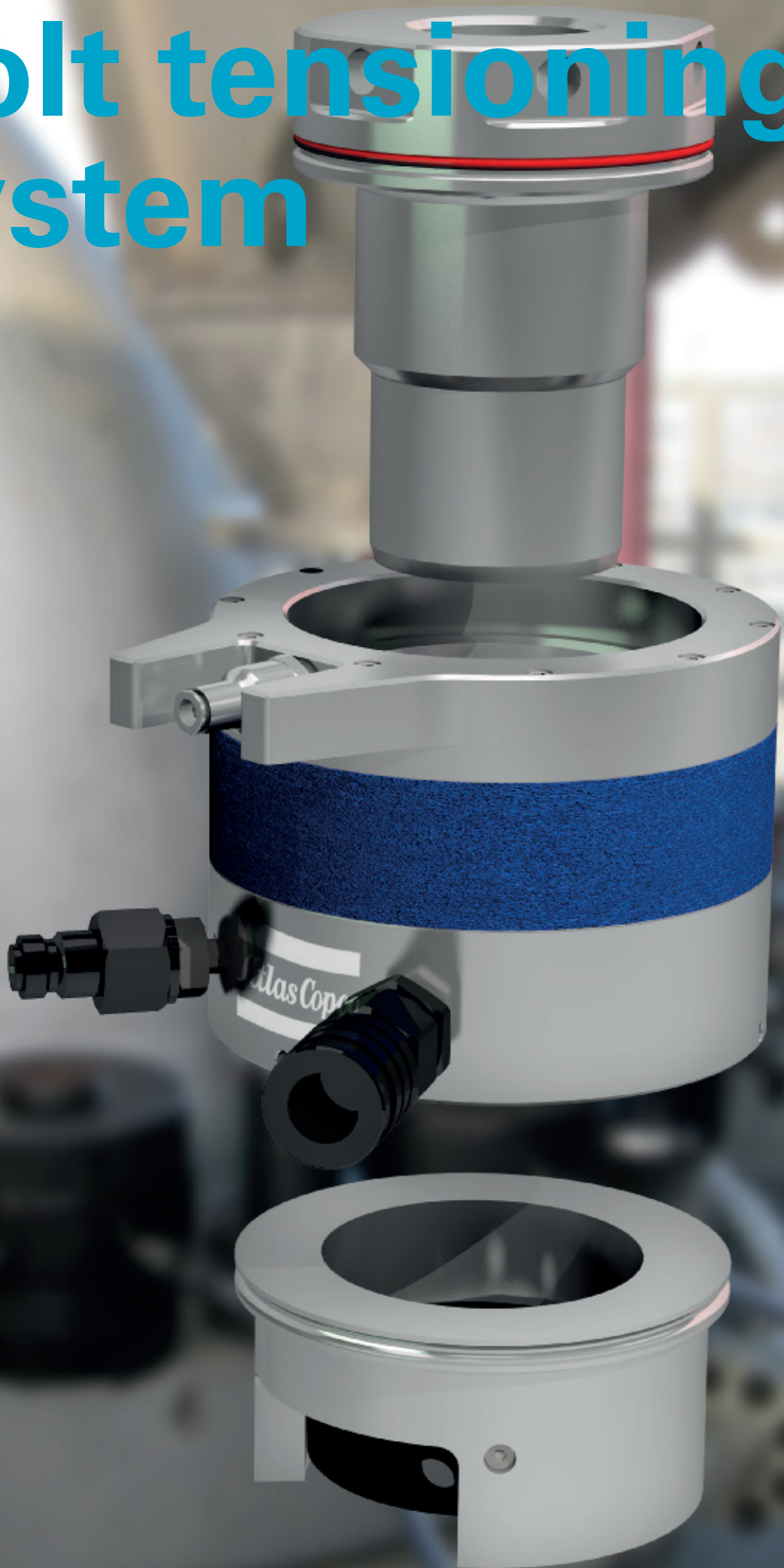


Atlas Copco offer hydraulic torque wrenches suitable for a wide range of applications in diverse work environments throughout the industrial world.

For more information, please visit; [www.atlascopco.com](http://www.atlascopco.com) or contact your local Atlas Copco distributor.



# Bolt tensioning system



No matter what your preference for bolt tightening, Atlas Copco have it covered. We designs, manufacture and market bolt tightening equipment for some of the world's most critical applications.

For more information, please visit; [www.atlascopco.com](http://www.atlascopco.com) or contact your local Atlas Copco distributor.



# ***Air line installation***

## **CONTENT**

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# Air preparation units



# Get the most out of your tools

- Get maximum productivity from your tools
- Extend the tool lifetime
- Lubricate your air tools
- Range covers all pneumatic tool needs



**Use our planner** to select the correct FRL, couplings, connectors and hoses for your air line installation and improve the performance and durability of your pneumatic tools!

## Selection guide

Mini	Midi	Maxi
		
0-9 l/s	9-31 l/s	31-82 l/s

# AIR

## preparation units



Air preparation unit **MINI-Range** main application is to prepare the air for pneumatic components.

### Working temperature

14°F to 122°F

+35°F to +140°F at 145 psi for filters

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

### DESCRIPTION

Sinter filter centrifugal principle, diaphragm-type pressure with relieving feature, lubricator with automatic oil filling.

### Medium

Compressed air and neutral gases

### SUPPLY Pressure

1.5 - 16 bar at inlet

0.5 - 10 bar at outlet

### FILTER ELEMENT

5µm

Model	Maximum air flow cfm	Bowl material	Filter condensate drainage	Max condensate capacity oz	Max oil capacity oz	Weight lb	Ordering No.
<b>Filters</b>							
MINI-FIL-1/4-NPT	78	Plastic, PC with PA bowl guard	Automatic	0.34	-	0.63	4221 0001 32
<b>Regulators</b>							
MINI-REG-1/4-NPT	71	-	-	-	-	0.68	4221 0001 40
<b>Lubricators</b>							
MINI-LUB-1/4-NPT	97	Plastic, PC with PA bowl guard	-	-	40	0.61	4221 0001 48
<b>Filter/regulator</b>							
MINI-F/R-1/4-NPT	71	Plastic, PC with PA bowl guard	Automatic	0.34	-	1.12	4221 0001 56
<b>Filter/regulator+lubricator</b>							
MINI-FRL-1/4-NPT	62	Plastic, PC with PA bowl guard	Automatic	0.34	40	1.83	4221 0001 64

**NOTE:** All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. MINI-F/R-1/4-NPT and MINI-FRL-1/4-NPT are delivered with gauge.





The **MIDI Range** 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** has a 1/2" BSP/NPT connection thread and a housing and bowl of high-tech polymer.

**Working temperature**

14°F to 122°F  
 +35°F to +140°F at 145 psi for filters

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

**DESCRIPTION**

Sinter filter centrifugal principle, diaphragm-type pressure with relieving feature, lubricator with automatic oil filling.

**Medium**

Compressed air, neutral gases

**SUPPLY Pressure**

1.5 to 16 bar at inlet  
 0.5 - 10 bar at outlet

**FILTER ELEMENT**

5µm

Model	Maximum air flow cfm	Bowl material	Filter condensate drainage	Max condensate capacity oz	Max oil capacity oz	Weight lb	Ordering No.
<b>Filters</b>							
MIDI-FIL-1/2-NPT	124	Plastic, PC with PA bowl guard	Automatic	1.05	-	1.01	4221 0001 34
<b>Regulators</b>							
MIDI-REG-1/2-NPT	177	-	-	-	-	1.11	4221 0001 42
<b>Lubricators</b>							
MIDI-LUB-1/2-NPT	283	Plastic, PC with PA bowl guard	-	-	2.7	0.92	4221 0001 50
<b>Filter/Regulator</b>							
MIDI-F/R-1/2-NPT	177	Plastic, PC with PA bowl guard	Automatic	1.05	-	1.48	4221 0001 58
<b>Filter/Regulator/Lubricator</b>							
MIDI-FRL-1/2-NPT	138	Plastic, PC with PA bowl guard	Automatic	1.05	2.7	2.58	4221 0001 66

**NOTE:** All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. MIDI-F/R-1/2-NPT and MIDI-FRL-1/2-NPT are delivered with gauge.

# AIR

## preparation units



The high flow **MAXI 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.

### Working temperature

14°F to 122°F  
+35°F to +140°F at 145 psi for filters

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

### Max Working Pressure

10 bar (232 psi)

### DESCRIPTION

Sinter filter centrifugal principle, diaphragm-type pressure with relieving feature, lubricator with automatic oil filling.

### Medium

Compressed air, neutral gases.

### SUPPLY Pressure

1.5 - 16 bar at inlet  
0.5 - 10 bar at outlet

### FILTER ELEMENT

5µm

Model	Maximum air flow cfm	Bowl material	Filter condensate drainage	Max condensate capacity oz	Max oil capacity oz	Weight lb	Ordering No.
<b>Filters</b>							
MAXI-FIL-3/4-NPT	283	Plastic, PC with PA bowl guard	Automatic	2.33	-	2.19	4221 0001 36
MAXI-FIL-1-NPT	283	Plastic, PC with PA bowl guard	Automatic	2.33	-	2.01	4221 0001 38
<b>Regulators</b>							
MAXI-REG-3/4-NPT	501		-	-	-	2.28	4221 0001 44
MAXI-REG-1-NPT	501		-	-	-	2.13	4221 0001 46
<b>Lubricators</b>							
MAXI-LUB-3/4-NPT	494	Plastic, PC with PA bowl guard	-	-	6.12	2.12	4221 0001 52
MAXI-LUB-1-NPT	494	Plastic, PC with PA bowl guard	-	-	6.12	1.98	4221 0001 54
<b>Filter/regulator</b>							
MAXI-F/R-3/4-NPT	459	Plastic, PC with PA bowl guard	Automatic	2.33	-	2.89	4221 0001 60
MAXI-F/R-1-NPT	459	Plastic, PC with PA bowl guard	Automatic	2.33	-	2.75	4221 0001 62
<b>Filter/Regulator/Lubricator</b>							
MAXI-FRL-3/4-NPT	424	Plastic, PC with PA bowl guard	Automatic	2.33	6.12	5.32	4221 0001 68
MAXI-FRL-1-NPT	424	Plastic, PC with PA bowl guard	Automatic	2.33	6.12	5.32	4221 0001 70

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

**NOTE:** All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. MAXI-F/R-3/4-NPT, MAXI-F/R-1-NPT, MAXI-FRL-3/4-NPT and MAXI-FRL-1-NPT are delivered with gauge.

Accessories: Maxi FRL stand, metal bowl, pressure language, ball valve are all on accessory page.

## SINGLE FILTER ACCESSORIES

Designation	Ordering No.
Semi/Manual Drain: for MINI series	4221 0001 75
Autodrain: for all three ranges	4221 0001 76
<b>Metal filter bowl with level indicator and automatic drain (P1 max 10 bar)</b>	
MINI series	4221 0002 04
MIDI series	4221 0002 05
MAXI series	4221 0002 07

## SINGLE REGULATOR ACCESSORIES

Designation	Ordering No.
Pressure Gauge 1: Standard (Metal material) BSP	4221 0001 77
Pressure Gauge 1: Standard (Metal material) NPT	4221 0001 78
Pressure Gauge 2: Heavy Duty (Larger size in metal)	4221 0001 79

## SINGLE LUBRICATOR ACCESSORIES

Designation	Ordering No.		
	MINI	MIDI	MAXI
<b>Metal bowl with level indicator and fill valve (Die cast, Zinc)</b>			
	4221 0001 80	4221 0001 81	4221 0001 82

## FILTER, REGULATOR AND LUBRICATOR ACCESSORIES

Designation	Ordering No.
<b>MINI</b>	
Coupling kit - (Steel, for wall mounting, 1x)	4221 0001 83
Mounting bracket - (Steel, for control panel mounting, 1x)	4221 0001 84
Coupling kit - (for connecting F+R+L units, 1x)	4221 0001 85
<b>MIDI</b>	
Coupling kit - (Steel, for wall mounting, 1x) NPT version	4221 0004 64
Mounting bracket - (Steel, for control panel mounting, 1x)	4221 0001 87
Coupling kit - (for connecting F+R+L units, 1x)	4221 0001 88
<b>MAXI</b>	
Coupling kit - (Steel, for wall mounting, 1x)	4221 0001 89
Coupling kit - (for connecting F+R+L units, 1x)	4221 0001 90
Coupling kit - (Steel, for wall mounting, 1x) NPT version	4221 0004 65

**NOTE:** Control panel nut included in the bracket kit for all models.  
The Auto Drain fits to the complete FRL range and is already factory mounted on the complete FRL range.

## BALL VALVE (LOCKABLE)

Designation	Ordering No.
Size MINI	8202 1350 63
Size MIDI	8202 1350 64
Size MAXI 3/4"	8202 1350 65
Size MAXI 1"	8202 1350 66

**NOTE:** Control panel nut is included with the bracket.



Mounting bracket kit



Filter element



Pressure gauge



Ball valve

# FRL

stand



Atlas Copco FRL range ensures maximum performance and increases the service life of your pneumatic tools.

- Handle for easy carrying
- Featuring Atlas Copco new range
- Tool holder easy mobility

Model	Max air flow		Weight		Ordering No.
	l/s	cfm	kg	lb	
FRL stand MAXI NPT	200	424	7.95	17.5	9090 3030 13
FRL stand MAXI BSP	200	424	7.85	17.3	9090 3030 14

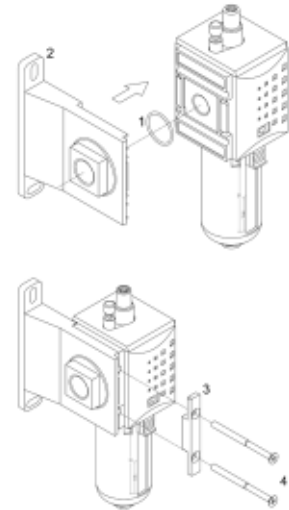
Hose Kits to be used with FRL stands	Ordering No.
Hose Kit for ¼ Inch Tool Inlet BSP	8202135082
Hose Kit for 3/8 Inch Tool Inlet BSP	8202135068
Hose Kit for ½ Inch Tool Inlet BSP	8202118182
Hose Kit for ¼ Inch Tool Inlet NPT	8202135083
Hose Kit for 3/8 Inch Tool Inlet NPT	8202135069
Hose Kit for ½ Inch Tool Inlet NPT	8202118191

## Accessories

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. F/R and FRL units are delivered with gauge. Wall brackets are available for each unit but need to be ordered separately based on your customer needs. Mounting plate is available to be ordered for Pressure Regulator & filter pressure regulator.



Mounting Plate



Wall Bracket

\*Mounting Plate can't be used with Maxi units due to weight of the unit.



FRL video



Air line configurator

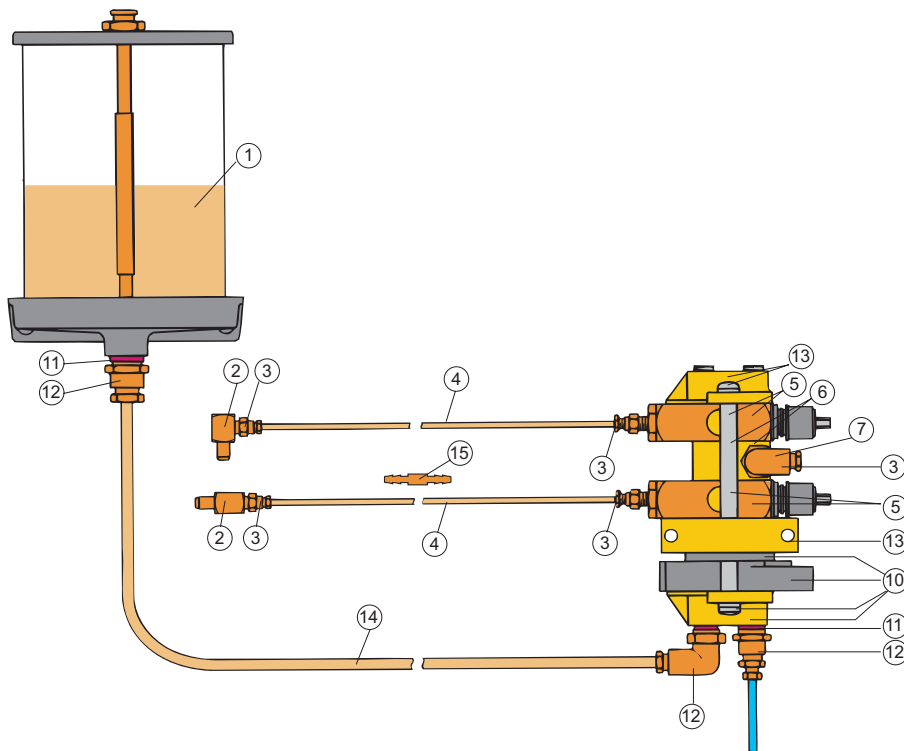


FRL webpage

Scan the codes to discover more about our wide range of Air Line Infrastructure products and solutions.

# AIR

## preparation units Lubricator DOSOL - accessories



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

### FOR 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

### MULTIPLE-POINT LUBRICATOR, BASE, JECT 01

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

#### TEN-counter

When lubricating equipment with a very low air consumption or very short time in operation it may be difficult to set a sufficiently small dose of oil. In such cases a counter is connected underneath the base plate BASE. The oil pumps will then be actuated only on each, every fifth or every tenth air pulse. The air signal is connected to the clamp underneath the counter. Ordering No. 8202 4206 03

#### Side-ported air block kit

If all pumps are not to be actuated simultaneously, a signal block is installed between the oil pumps in the stack. The pumps below the signal block will then be actuated via the base plate BASE and those above it from a separate signal via the signal block. Ordering No. 8202 4206 03

Ref No. in figure	Designation	Ordering No.
1	Oil container 0.3 l for direct mounting 0.95 l for wall mounting (1/4" BSP female) 1.9 l for wall mounting (1/4" BSP female)	9090 1415 00 9090 1416 00 9090 1417 00
2	Check valve 1/8" BSPT 90° elbow male x 1/8" BSP female 1/8" BSPT, straight male x 1/8" BSP female	9090 1427 00 9090 1426 00
3	Male adapter 1/8" BSPT, straight for tube outer diameter 3.2 mm	9090 1425 00
4	Capillary tubing 7.5 m, outer dia. 3.2 mm prefilled with oil 7.5 m, outer dia. 3.2 mm without oil 100 m, outer dia. 3.2 mm with oil	9090 1418 00 9090 1419 00 9090 1420 00
5	JECT 01 kit <sup>a</sup>	8202 4203 10
6	Side-ported air block kit	9090 1424 00
7	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

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

## SINGLE POINT LUBRICATOR DOSOL

Accurate lubrication for tools in intermittent service.

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

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

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

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

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

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



## MULTIPLE-POINT LUBRICATOR DOSOL

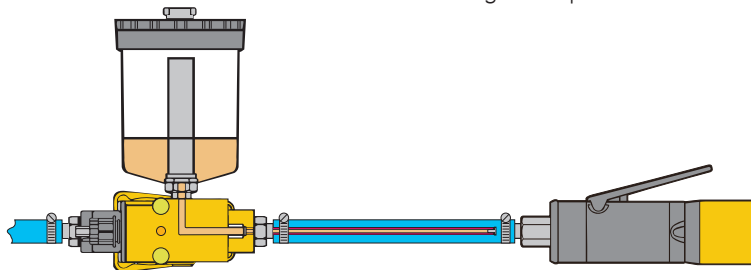
For supplying lubricant to an unlimited number of lubrication points on a machine or in a pneumatic system.

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

- All oil pumps are supplied with oil via the BASE from an oil container or central oil reservoir. A line for pneumatic signals from the equipment to be lubricated is also connected to the BASE.

- The lubricant is conveyed through small-bore nylon tubing which should be ended with check valves.
- With the TEN counter the lubricator can be actuated every first, fifth or tenth tool cycle.

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



## SINGLE-POINT LUBRICATOR, DOS

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

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

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

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

# AIR

preparation units  
Lubricator DOSOL - accessories

## Atlas Copco Inline Testing Equipment

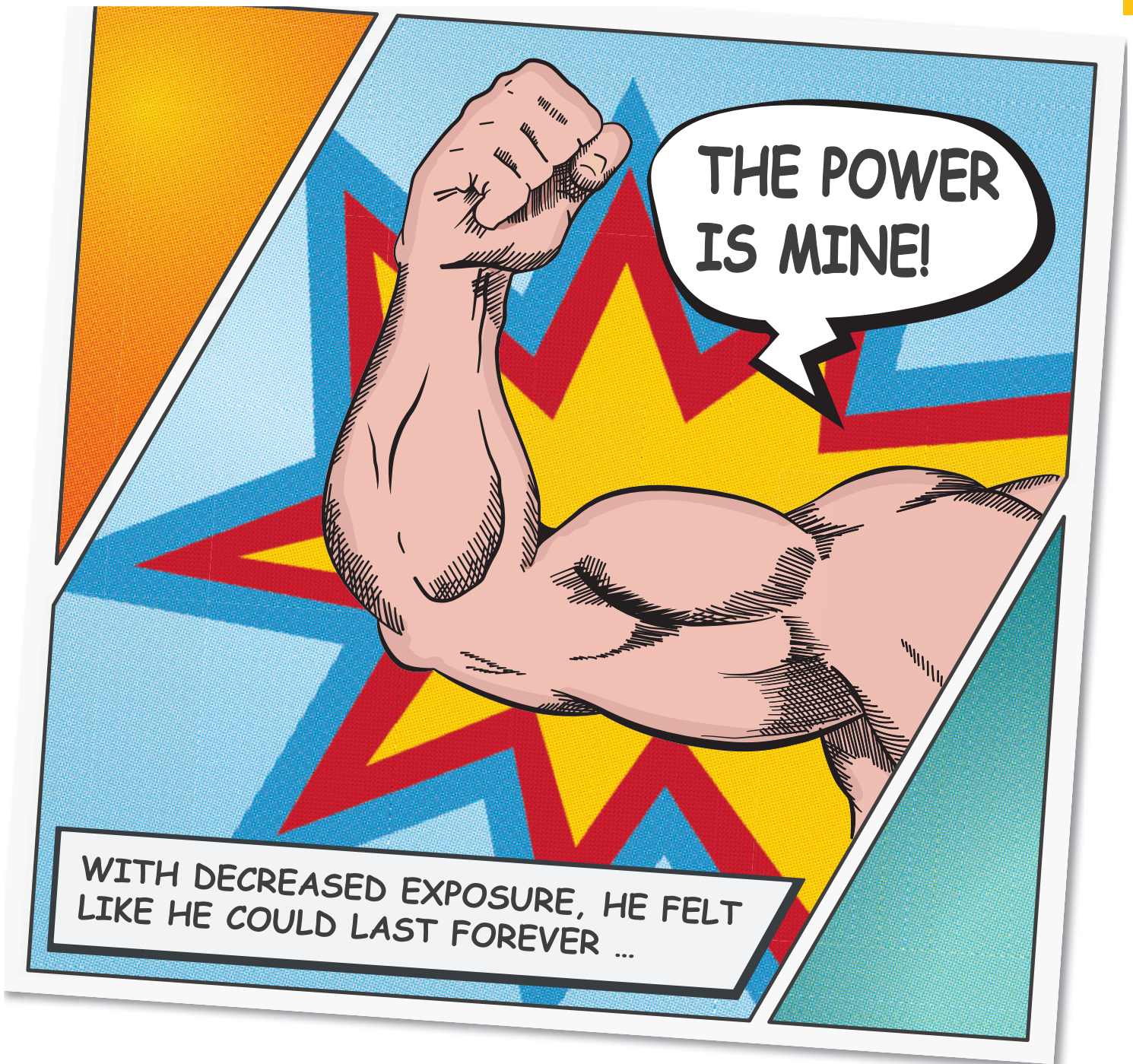
comes in EU, US and ASIA Profile Series.  
The test equipment is :

1. Easy to Use
2. Fast and Reliable
3. Real Time Feedback Pressure at Tool Inlet



Model	Nip Standard	Max working pressure	Connection type	Part Number
Atlas Copco IPT-SmartQic 08E	EURO STANDARD 7.6	16 bar	Nipple 1/4" male	4221 0004 96
Atlas Copco IPT-SmartQic 15E	EURO STANDARD 10.4	16 bar	Nipple 3/8" male	4221 0005 01
Atlas Copco IPT-SmartQic 08US	ISO 6150-B / US STANDARD	16 bar	Nipple 1/4" male	4221 0005 02
Atlas Copco IPT-SmartQic 10US	ISO 6150-B / US STANDARD	16 bar	Nipple 3/8" male	4221 0005 04
Atlas Copco IPT-SmartQic 15US	ISO 6150-B / US STANDARD	16 bar	Nipple 3/8" male	4221 0005 05
Atlas Copco IPT-SmartQic 10A	ASIA STANDARD 7.5 MM	16 bar	Nipple 3/8" male	4221 0005 06





## With twice the power – in half the time

The more power, the less time exposed to strain – this has always been a truth. With the introduction of the turbine motors in grinders, power has been dramatically increased. And to make conditions even better, new modern materials means lower weight.

Today our small turbine grinders have the same power as our vertical grinders from the 70's had, but with less than half of the weight and significantly lower noise and vibration levels. Giving the operator twice the power - and half the time to do the job.



*Atlas Copco*



Scan the code  
to learn more  
about the initiative



# Connectors and couplings



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 the energy efficient, high productivity choice.

All Atlas Copco couplings are designed to ensure minimum pressure drop and thus reduce energy consumption. The exceptionally high air flow ensures full power to your tools.

The couplings are light and compact and the bodies are made of hardened steel, which provides long life in the toughest applications.



**Scan this image** to start using Atlas Copco air line configurator online! Select the correct FRL, couplings, connectors and hoses and improve the performance and durability of your pneumatic tools!



**Contact us  
to get a manual  
nip/coupling selector**

# Selection *guide*

## Ensure the highest air flow and lowest pressure drop of your pneumatic tools

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 the energy efficient and high productivity choice.

### Energy efficiency

All Atlas Copco couplings are designed to ensure minimum pressure drop and thus reduce energy consumption.

### Productivity

Exceptionally high air flow ensures full power to your tools.

### Quality

Atlas Copco couplings are light and compact and the bodies are made of hardened steel, which provides long life in the toughest applications.

### Ergonomics

The couplings from Atlas Copco features compact dimensions and low weight for the operator.

### Safety

ErgoQIC and SmartQIC 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 four product groups of quick couplings in many international standards:

- ErgoQIC - full flow coupling.
- SmartQIC - Safety vented coupling.
- QIC - Entry level coupling.
- Claw - High flow and durable coupling.

### Selection Guide

Standard Type	Global standard				Euro standard			US standard / ISO 6150-B			Asia standard
	08	10		10AC	7.6 (7.4) mm	10.4 mm	15 mm	5.3 mm (1/4")	8.2 mm (3/8")	11 mm (1/2")	7.5
Atlas Copco ErgoQIC	08	10		10AC	08E	15E		08US	10US	15US	10 A
Atlas Copco SmartQIC					08E	15E		08US	10US	15US	10 A
Atlas Copco QIC				10			15	08			
Atlas Copco Claw			Claw								
CEJN					320	410		310	430	550	315
Oetiker					SC C			SC B1	SC E	SC H	SC D
Tema				1650	1600	1700	1750	1400			
Rectus				33	25/26	27	34	23/24	30	37	13
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	









## MAXIMIZE YOUR PRODUCTIVITY!

Select full flow couplings from Atlas Copco

- Recommended by Atlas Copco for your application and tool.



ErgoQIC 08US	ErgoQIC 08 ErgoQIC 10AC	ErgoQIC 10 A	ErgoQIC 08E	ErgoQIC 10US	ErgoQIC 10	ErgoQIC 15E	ErgoQIC 15US
Air flow capacity 0-11 l/s	Air flow capacity 0-18 l/s	Air flow capacity 0-22 l/s	Air flow capacity 0-24 l/s	Air flow capacity 0-27 l/s	Air flow capacity 0-40 l/s	Air flow capacity 0-49 l/s	Air flow capacity 0-52 l/s

		Air flow requirements									
	<b>Screwdrivers</b>	<b>Bolt size</b>	M2-M6	2-8 l/s	•	•	•	•			
		<b>Bolt size</b>									
	<b>Impact wrenches</b>	<b>Bolt size</b>	1/4" HEX and 3/8"	2-9 l/s	•	•	•	•			
			3/8" and 1/2"	10-20 l/s				•	•		
			1" and 1 1/2"	28-37 l/s					•	•	•
	<b>Pulse tools</b>	<b>Bolt size</b>	M4-M5	9 l/s	•	•	•	•			
			M6-M12	15-25 l/s		•	•	•	•	•	
			M14-M20	32-49 l/s					•	•	•
	<b>Drills</b>	<b>Power</b>	<820 W	8-21 l/s	•	•	•	•			
		<b>Size</b>									
	<b>Chipping hammers</b>	<b>Power</b>	<7 kg	6.5-14 l/s	•	•	•	•			
		<b>Power</b>									
	<b>Die grinders</b>	<b>Power</b>	<500 W	3-10 l/s	•	•	•	•			
			500-900 W	7-19 l/s			•	•	•	•	
			0.9-2 kW	20-35 l/s			•	•	•	•	•
	<b>Turbine grinders</b>	<b>Power</b>	<2.5 kW	32 l/s					•	•	•
		<b>Power</b>									
	<b>Blow guns</b>			4-7.5 l/s	•	•	•	•			

### ErgoQIC

The ErgoQIC coupling is a ball valve coupling with a safety feature offering a higher flow than ordinary coupling systems. The ErgoQIC is a strong and durable full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC will give the benefits of productivity and energy efficiency. ErgoQIC is designed to minimize the risk of sudden component separation and sound bang. The safety features are according to EN 983 and ISO 4414. It is made of hardened steel.

The ErgoQIC disconnects in two steps; first you push in and bend slowly – the pressurized air hose will then vent, and as a second step you can disconnect without risk of harming the operator.



### SmartQIC

SMARTQIC is the latest generation of pneumatic safety couplings and nipples. The couplings offers high flow and low pressure drop with innovative safety features. The design has a unique safety venting feature when disconnecting, thus minimizing risk of injury to the operator.

Durable and tough, the couplings are made out of zinc-plated steel/brass material and the entire product range complies with safety standards ISO 4414 and EN 983. SMARTQIC couplings also complies with OSHA 1910.95. Suitable for many types of applications and pneumatic tools; such as screwdrivers, assembly tools, drills and grinders.



### Claw

CLAW couplings are made from dropforged, hardened steel which can withstand rough treatment and ensures a long life even under difficult conditions. The coupling head is the same for all hose sizes, which can therefore be freely combined. The recommended maximum working pressure is 10 bar.



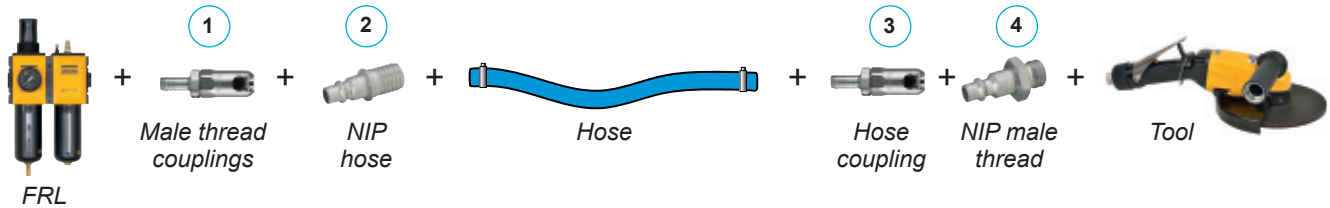
### MultiFlex Swivel

MultiFlex Swivel is a multi-directional connector. Once the tool is connected the hose will stay in the ideal position however much the operator and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight.




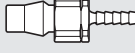

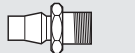


# Quick Atlas Copco Global standard couplings

## HOWTO...



**NOTE:** Most Atlas Copco tools come with a female thread, please check the thread before choosing your coupling and nip selection. Same selection process can be used for all couplings e.g. SmartQic ; ErgoQic, etc.

EXAMPLE									
Connection type	Coupling ErgoQIC 10	Ordering No.	Size		Connection type	Nipple ErgoNIP 10	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	8202 1120 30	6.3	1/4	 H – Hose	H06	8202 1220 35	6.3	1/4
	H08	8202 1120 40	8	5/16		H08	8202 1220 43	8	5/16
	H10	8202 1120 02	10	3/8		H10	8202 1220 50	10	3/8
	H13	8202 1120 10	12.5	1/2		H13	8202 1220 68	12.5	1/2
	H16	8202 1120 50	16	5/8		H16	8202 1220 76	16	5/8
	H20	8202 1120 60	19	3/4		H20	8202 1220 77	19	3/4
 M – Male	M08	8202 1120 85	1/4	BSP	 SH – Safety Hose <sup>a</sup>	SH06	8202 1220 37	6.3	1/4
	M10	8202 1120 93	3/8	BSP		SH08	8202 1220 45	8	5/16
	M15	8202 1120 97	1/2	BSP		SH10	8202 1220 52	10	3/8
	M20	8202 1120 98	3/4	BSP		SH13	8202 1220 70	12.5	1/2
	M25	8202 1120 99	1	BSP		SH16	8202 1220 74	16	5/8
 F – Female	F08	8202 1121 00	1/4	BSP	 M – Male	M08	8202 1220 01	1/4	BSP
	F10	8202 1121 05	3/8	BSP		M10	8202 1220 19	3/8	BSP
	F15	8202 1121 10	1/2	BSP		M15	8202 1220 27	1/2	BSP



08  
Nipple profile

## ErgoQIC 08

### ATLAS COPCO GLOBAL STANDARD

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.
- Protective rubber cover available.
- Main market: Global.

### Technical Data

Max flow capacity	62 cfm (7.3 psi ΔP)
Economical air flow	38 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	14°F to 158°F



10  
Nipple profile

## ErgoQIC 10

### ATLAS COPCO GLOBAL STANDARD

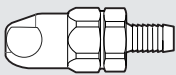
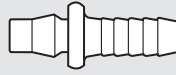

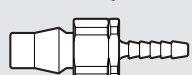
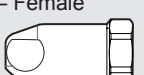

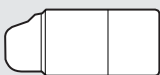
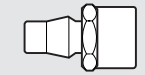
The ErgoQIC 10 is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 will give the benefits of productivity and energy efficiency.

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

### Technical Data

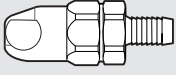
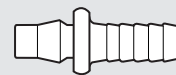
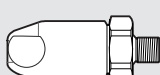
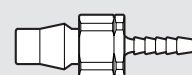

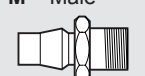

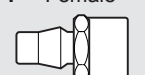
Max flow capacity	129 cfm (7.3 psi ΔP)
Economical air flow	85 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	14°F to 158°F

**ERGOQIC 08 AND ERGONIP 08, 38 CFM** (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size		Connection type	Nipple ErgoNIP 08	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1110 04	6.3	1/4	<b>H – Hose</b> 	H05	8202 1210 33	5	3/16
	H08	8202 1110 12	8	5/16		H06	8202 1210 37	6.3	1/4
	H10	8202 1110 38	10	3/8		H08	8202 1210 45	8	5/16
	H13	8202 1110 40	12.5	1/2		H10	8202 1210 52	10	3/8
<b>M – Male</b> 	M08	8202 1110 61	1/4	BSP	<b>SH – Safety Hose<sup>a</sup></b> 	SH06	8202 1210 39	6.3	1/4
	M10	8202 1110 79	3/8	BSP		SH08	8202 1210 47	8	5/16
	M15	8202 1110 87	1/2	BSP		SH10	8202 1210 50	10	3/8
<b>F – Female</b> 	F08	8202 1110 90	1/4	BSP	<b>M – Male</b> 	M06	8202 1210 03	1/8	BSP
	F10	8202 1110 95	3/8	BSP		M08	8202 1210 11	1/4	BSP
<b>Protective cover</b> 		9090 1940 00			<b>F – Female</b> 	F08	8202 1210 60	1/4	BSP
						F10	8202 1210 62	3/8	BSP

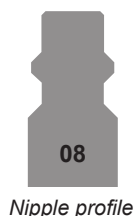
<sup>a</sup> For joining hoses longer than 3 meters.

**ERGOQIC 10 AND ERGONIP 10, 85 CFM** (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 10	Ordering No.	Size		Connection type	Nipple ErgoNIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1120 30	6.3	1/4	<b>H – Hose</b> 	H06	8202 1220 35	6.3	1/4
	H08	8202 1120 40	8	5/16		H08	8202 1220 43	8	5/16
	H10	8202 1120 02	10	3/8		H10	8202 1220 50	10	3/8
	H13	8202 1120 10	12.5	1/2		H13	8202 1220 68	12.5	1/2
	H16	8202 1120 50	16	5/8		H16	8202 1220 76	16	5/8
	H20	8202 1120 60	19	3/4		H20	8202 1220 77	19	3/4
<b>M – Male</b> 	M08	8202 1120 85	1/4	BSP	<b>SH – Safety Hose<sup>a</sup></b> 	SH06	8202 1220 37	6.3	1/4
	M10	8202 1120 93	3/8	BSP		SH08	8202 1220 45	8	5/16
	M15	8202 1120 97	1/2	BSP		SH10	8202 1220 52	10	3/8
	M20	8202 1120 98	3/4	BSP		SH13	8202 1220 70	12.5	1/2
	M25	8202 1120 99	1	BSP		SH16	8202 1220 74	16	5/8
<b>F – Female</b> 	F08	8202 1121 00	1/4	BSP	<b>M – Male</b> 	M08	8202 1220 01	1/4	BSP
	F10	8202 1121 05	3/8	BSP		M10	8202 1220 19	3/8	BSP
	F15	8202 1121 10	1/2	BSP		M15	8202 1220 27	1/2	BSP
<b>Protective cover</b> 		9090 1931 00			<b>F – Female</b> 	F08	8202 1220 84	1/4	BSP
						F10	8202 1220 86	3/8	BSP
						F15	8202 1220 88	1/2	BSP

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

# Quick ISO 6150-B US standard 5.3 mm (1/4") couplings



Nipple profile



Nipple profile

## ErgoQIC 08US

### ISO 6150-B / US STANDARD

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.

## Technical Data

Max flow capacity	34 cfm (7.3 psi ΔP)
Economical air flow	23 cfm (2.9 psi ΔP)
Max working pressure	232 psi
Temperature range	-4°F to 176°F

## Atlas Copco SmartQIC 08US

### ISO 6150-B / US STANDARD

Safety coupling with venting connection, high flow and low pressure drop.

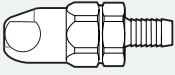
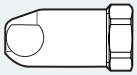

- High reliability with low pressure drop.
- Safety function with vented connection.
- High durability and easy handling.
- High air flow and increased productivity.
- Minimizes hose whip and injuries to operator.
- Long life time.
- Safety feature according to ISO-standard 4414 and EN 983.
- Main market: Benelux, France, Norway and North America.

## Technical Data

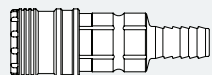
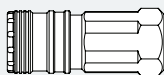
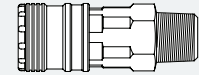
Max flow capacity	35 cfm (7.3 psi ΔP)
Economical air flow	21 cfm (2.9 psi ΔP)
Max working pressure	232 psi
Temperature range	-4°F to 212°F



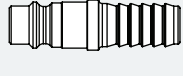
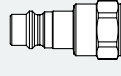
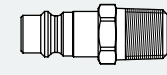
**ERGOQIC 08US, 23 CFM (recommended air flow at 91 psi pressure)**

Connection type	Coupling ErgoQIC 08US	Ordering No.	Size		Connection type	Coupling ErgoQIC 08US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	8202 1103 00	6.3	1/4	 F – Female	F08	8202 1103 11	1/4	BSP
	H08	8202 1103 01	8	5/16		F10	8202 1103 13	3/8	BSP
	H10	8202 1103 02	10	3/8					
 M – Male thread	M08	8202 1103 05		1/4 BSP					
	M10	8202 1103 07		3/8 BSP					
	M15	8202 1103 09		1/2 BSP					

**SMARTQIC 08US, 31.7 CFM (recommended air flow at 91 psi pressure)**

Connection type	Coupling SmartQIC 08US	Ordering No.	Size		Connection type	Coupling SmartQIC 08US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	4221 0030 00	6.3	1/4	 F – Female	F08	4221 0030 07	1/4	BSP
	H08	4221 0030 01	8	5/16		F10	4221 0030 08	3/8	BSP
	H10	4221 0030 02	10	3/8		F08	4221 0030 09	1/4	NPT
 M – Male	M08	4221 0030 03		3/8 BSPT	F10	4221 0030 10	3/8	NPT	
	M10	4221 0030 04		1/2 BSPT					
	M08	4221 0030 05		3/8 NPT					
	M10	4221 0030 06		1/2 NPT					

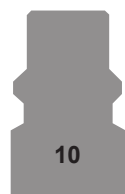
**NIP 08US, 31.7 CFM (recommended air flow at 91 psi pressure) FOR ERGOQIC 08US AND SMARTQIC 08US**

Connection type	Nipple NIP 08US	Ordering No.	Size		Connection type	Nipple NIP 08US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H06	4221 0031 00	6.3	1/4	 F – Female	F06	4221 0031 07	1/4	BSP
	H08	4221 0031 01	8	5/16		F10	4221 0031 08	3/8	BSP
	H10	4221 0031 02	10	3/8		F06	4221 0031 09	1/4	NPT
 M – Male thread	M04	4221 0002 82*		1/8 BSPT	F10	4221 0031 10	3/8	NPT	
	M08	4221 0031 03*		1/4 BSPT					
	M10	4221 0031 04*		3/8 BSPT					
	M08	4221 0031 05*		1/4 NPT					
	M10	4221 0031 06*		3/8 NPT					

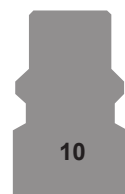
\* Preapplied sealent.

**NOTE:** That the end stands for tapered thread e.g. BSPT.

# Quick ISO 6150-B US standard 8.2 mm (3/8") couplings



Nipple profile



Nipple profile

## ErgoQIC 10US

### ISO 6150-B / US STANDARD

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.

### Technical Data

Max flow capacity	91 cfm (7.3 psi ΔP)
Economical air flow	57 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	-4°F to 158°F

## Atlas Copco SmartQIC 10US

### ISO 6150-B / US STANDARD

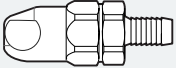
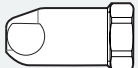

Safety coupling with venting connection, high flow and low pressure drop.

- High reliability with low pressure drop.
- Safety function with vented connection.
- High durability and easy handling.
- High air flow and increased productivity.
- Minimizes hose whip and injuries to operator.
- Long life time.
- Safety feature according to ISO-standard 4414 and EN 983.
- Main market: Benelux, France, Norway and North America.

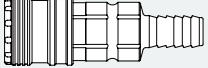

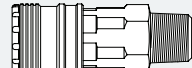
### Technical Data

Max flow capacity	85 cfm (7.3 psi ΔP)
Economical air flow	56 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	-4°F to 158°F


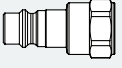

**ERGOQIC 10US, 57 CFM** (recommended air flow at 91psi pressure)

Connection type	Coupling ErgoQIC 10US	Ordering No.	Size		Connection type	Coupling ErgoQIC 10US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H08	8202 1107 01	8	5/6	 F – Female	F08	8202 1107 13	1/4	BSP
	H10	8202 1107 02	10	3/8		F10	8202 1107 15	3/8	BSP
	H13	8202 1107 03	12.5	1/2		F15	8202 1107 17	1/2	BSP
	H20	8202 1107 05	19	3/4					
 M – Male thread	M08	8202 1107 07	1/4	BSP					
	M10	8202 1107 09	3/8	BSP					
	M15	8202 1107 11	1/2	BSP					

**SMARTQIC 10US, 83 CFM** (recommended air flow at 91psi pressure)

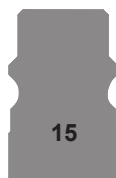
Connection type	Coupling SmartQIC 10US	Ordering No.	Size		Connection type	Coupling SmartQIC 10US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H10	4221 0050 00	10	3/2	 F – Female	F10	4221 0050 06	3/8	BSP
	H13	4221 0050 01	13	1/2		F15	4221 0050 07	1/2	BSP
 M – Male	M10	4221 0050 02	3/8	BSPT		F10	4221 0050 08	3/8	NPT
	M15	4221 0050 03	1/2	BSPT		F15	4221 0050 09	1/2	NPT
	M10	4221 0050 04	3/8	NPT					
	M15	4221 0050 05	1/2	NPT					

**NIP-10US, 83 CFM** (recommended air flow at 91psi pressure) **FOR ERGOQIC 10US AND SMARTQIC 10US**

Connection type	Nipple NIP 10US	Ordering No.	Size		Connection type	Nipple NIP 10US	Ordering No.	Size	
			mm	in				mm	in
 H – Hose	H08	4221 0051 00	8	5/16	 F – Female	F06	4221 0051 09	1/4	BSP
	H10	4221 0051 01	10	3/8		F10	4221 0051 10	3/8	BSP
	H13	4221 0051 02	13	1/2		F15	4221 0051 11	1/2	BSP
 M – Male thread	M06	4221 0051 03	1/4	BSPT		F06	4221 0051 12	1/4	NPT
	M10	4221 0051 04	3/8	BSPT		F10	4221 0051 13	3/8	NPT
	M15	4221 0051 05	1/2	BSP		F15	4221 0051 14	1/2	NPT
	M06	4221 0051 06	1/4	NPT					
	M10	4221 0051 07	3/8	NPT					
	M15	4221 0051 08	1/2	NPT					

**NOTE:** That the end stands for tapered thread e.g. BSPT.

# Quick ISO 6150-B / US Standard 11 mm (1/2") couplings



Nipple profile



Nipple profile

## ErgoQIC 15US

### ISO 6150-B / US STANDARD

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.

### Technical Data

Max flow capacity	163 cfm (7.3 psi ΔP)
Economical air flow	110 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	-4°F to 176°F

## Atlas Copco SmartQIC 15US

### ISO 6150-B / US STANDARD

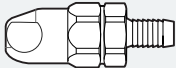

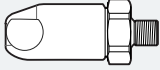
Safety coupling with venting connection, high flow and low pressure drop.

- High reliability with low pressure drop.
- Safety function with vented connection.
- High durability and easy handling.
- High air flow and increased productivity.
- Minimizes hose whip and injuries to operator.
- Long life time.
- Safety feature according to ISO-standard 4414 and EN 983.
- Main market: North America, France, Norway and Spain.

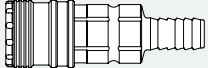
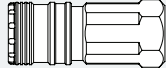
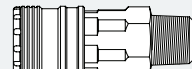
### Technical Data

Max flow capacity	143 cfm (7.3 psi ΔP)
Economical air flow	93 cfm (2.9 psi ΔP)
Max working pressure	230 psi
Temperature range	-4°F to 212°F


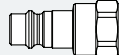

**ERGOQIC 15US, 110 CFM** (recommended air flow at 91 psi pressure)

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

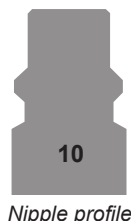
**SMARTQIC 15US, 136 CFM** (recommended air flow at 91 psi pressure)

Connection type	Coupling SmartQIC 15US	Ordering No.	Size		Connection type	Coupling SmartQIC 15US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H13	4221 0040 00	13	1/2	<b>F – Female</b> 	F10	4221 0040 06	3/8	NPT
	H20	4221 0040 02	19	3/4		F15	4221 0040 07	1/2	NPT
						F20	4221 0040 08	3/4	NPT
<b>M – Male</b> 	M10	4221 0040 03	3/8 NPT						
	M15	4221 0040 04	1/2 NPT						
	M20	4221 0040 05	3/4 NPT						

**NIP 15US, 110 CFM** (recommended air flow at 91 psi pressure) **FOR ERGOQIC 15US AND SMARTQIC 15US**

Connection type	Nipple NIP 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	4221 0041 00	10	3/8	<b>F – Female</b> 	F10	4221 0041 07	3/8	NPT
	H13	4221 0041 01	13	1/2		F15	4221 0041 08	1/2	NPT
	H20	4221 0041 03	19	3/4		F20	4221 0041 09	3/4	NPT
<b>M – Male thread</b> 	M10	4221 0041 04	3/8 NPT						
	M15	4221 0041 05	1/2 NPT						
	M20	4221 0041 06	3/4 NPT						

# Quick Global Standard couplings



Nipple profile

## ErgoQIC 10AC

### ATLAS COPCO GLOBAL STANDARD

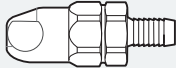


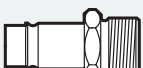
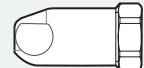
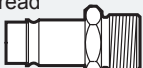

The ErgoQIC 10AC is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10AC will give the benefit of productivity and energy efficiency.

- 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.

## Technical Data

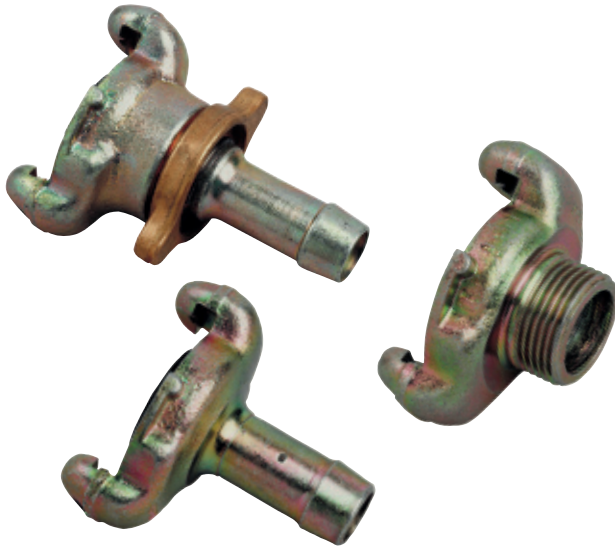
Max flow capacity	55 cfm (7.3 psi $\Delta P$ )
Economical air flow	36 cfm (2.9 psi $\Delta P$ )
Max working pressure	230 psi
Temperature range	14°F to 158°F

### ERGOQIC 10AC, 36 CFM (recommended air flow at 91 psi pressure)

Connection type	Coupling ErgoQIC 10AC	Ordering No.	Size		Connection type	Coupling ErgoQIC 10AC	Ordering No.	Size	
			mm	in				mm	in
 H - Hose	H08	8202 1109 01	8	5/16	 H - Hose	H06	8202 1202 11	6.3	3/8
	H10	8202 1109 02	10	3/8		H08	8202 1202 94	8	1/2
	H13	8202 1109 03	12.5	1/2		H10	8202 1202 29	10	5/8
						H13	8202 1202 34	12.5	3/4
 M - Male thread	M08	8202 1109 05	1/4 BSP		 M - Male thread	M08	8202 1109 05	1/4 BSP	
	M10	8202 1109 06	3/8 BSP			M10	8202 1109 06	3/8 BSP	
	M15	8202 1109 07	1/2 BSP			M15	8202 1109 07	1/2 BSP	
 F - Female	F08	8202 1109 09	1/4 BSP	 MT - Male taper thread	MT08	8202 1202 60	1/4 BSPT		
	F10	8202 1109 10	3/8 BSP		MT10	8202 1202 78	3/8 BSPT		
	F15	8202 1109 11	1/2 BSP		MT15	8202 1203 02	1/2 BSPT		
				 F - Female	F08	8202 1202 86	1/4 BSP		
					F10	8202 1202 87	3/8 BSP		

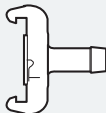
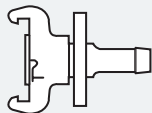
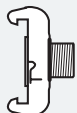
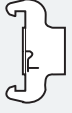



# Claw

couplings



**CLAW couplings** are made from dropforged, 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.
- Available with extra protective cover.

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

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

# Ball valves



BAL1A

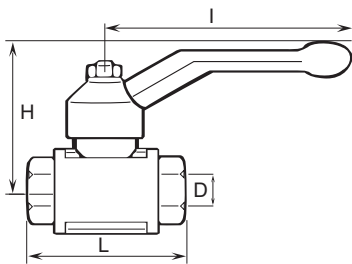
The Atlas Copco valve **BAL-1A** is suitable for air, water and many other liquids and gases due to the choice of material.

- 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-1A – with teflon seals

Intended for operating either fully open or fully closed.

## Dimensions



Model	Connection thread in NPT	Bore D in	L in	H in	l in	Ordering No.
BAL-1A 15	1/2	0.6	2.4	2	3.7	8202 0306 30
BAL-1A 25	1	1	3.3	2.6	4.8	8202 0306 46

# Swivel connectors



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.
- Available with rubber (EPDM) protective cover.
- Fits most pneumatic tools.

Model	Max rec. air flow <sup>a</sup>		Thread		Weight lb	Length in	Dia in	Ordering No.
	l/s	cfm	Inlet female in	Outlet male in				
<b>Standard</b>								
MultiFlex 1/8" NPT	12	25	1/8	1/8	0.16	2.6	0.94	8202 1350 25
MultiFlex 1/4" NPT	12	25	1/4	1/4	0.16	2.6	0.94	8202 1350 26
MultiFlex 3/8" NPT	32	68	3/8	3/8	0.29	3.2	1.16	8202 1350 28
MultiFlex 1/2" NPT	32	68	1/2	1/2	0.28	3.2	1.16	8202 1350 30
<b>Protective rubber cover</b>								
MultiFlex 1/8" BSP	12	25	1/8	1/8	0.17	2.6	1.06	8202 1350 50
MultiFlex 1/4" BSP	12	25	1/4	1/4	0.17	2.6	1.06	8202 1350 51

The pressure drop will be 0.2 bar at an inlet pressure of 6 bar.



# 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



## GASKETS

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



## DOUBLE CONNECTION

Male taper thread – male taper thread

From thread in	To thread in	Ordering No.
1/2 NPT	1/2 NPT	9090 0160 01
1 NPT	1 NPT	9090 0200 01

# Hoses



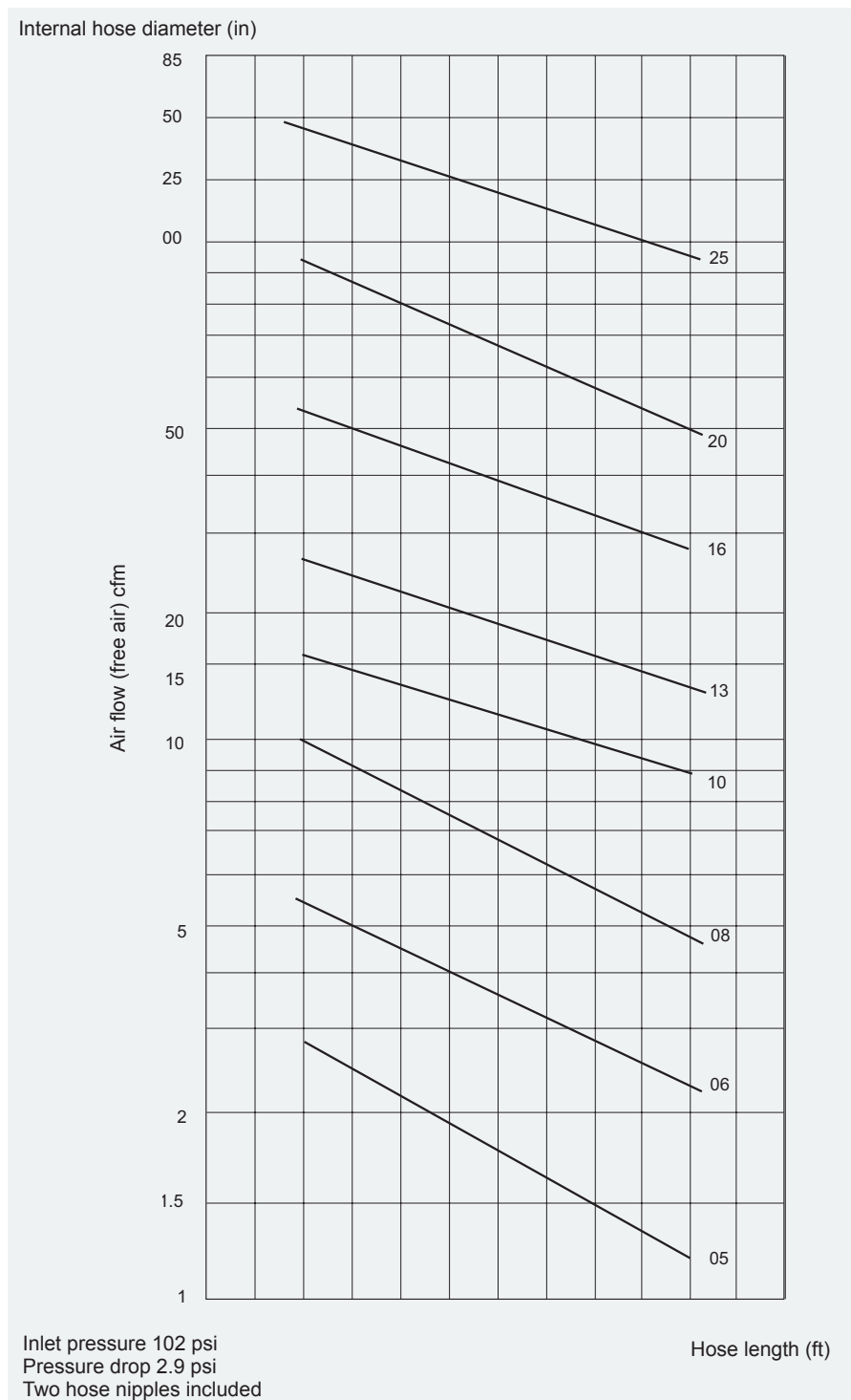
# Hoses

introduction

## 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 2.9 psi.

### PRESSURE DROP DIAGRAM FOR HOSES



#### HOW TO READ THE DIAGRAM:

Look up the tools required air consumption at 87 psi.

Use this value in the diagram.

What length of hose do you need?

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

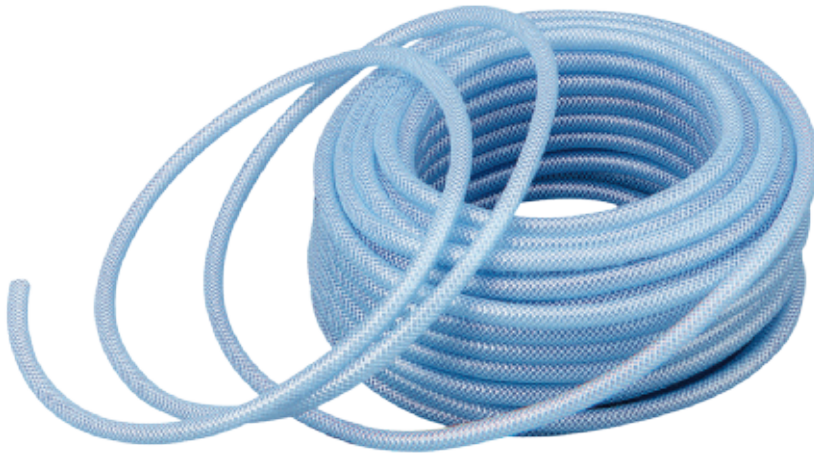
Decide which type of hose you need, Atlas Copco Tools has seven different hoses covering all types of needs for pneumatic hand tools.

#### EXAMPLE

The tool has an air consumption of 21 cfm and the application requires a hose length of 23 ft. These two values have a cross point slightly under the 3/8 inch size hose (23 ft of 3/8 inch hose gives a value of approximately 23.3 cfm).

Therefore a 3/8 inch hose will be suitable

# Hoses Cablair, Esd



## 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 +5°F to +140°F.

Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Weight per 101 m coil lb	Ordering No.
CABLAIR 06	1/4	7/20	260	9	2.6	9093 0035 11
CABLAIR 08	1/3	2/5	260	16	3.7	9093 0035 41
CABLAIR 10	2/5	1/2	203	28	4.6	9093 0035 71
CABLAIR 13	1/2	13/20	188	45	6.6	9093 0036 01
CABLAIR 16	5/8	4/5	160	91	11.9	9093 0036 31
CABLAIR 20	3/4	19/20	160	159	12.8	9093 0036 61
CABLAIR 25	1	1 1/5	145	265	23	9093 0036 91

<sup>a</sup> With a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft.



## 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 +5°F to +140°F.

Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow cfm	Weight per 101 m coil lb	Ordering No.
CABLAIR ESD 06	1/4	7/16	145	9	5	8202 0501 06
CABLAIR ESD 08	5/16	1/2	130	16	5.6	8202 0501 08
CABLAIR ESD 10	3/8	9/16	116	28	6	8202 0501 10
CABLAIR ESD 13	1/2	23/32	101	45	9.7	8202 0501 13

<sup>a</sup> With a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

# Hoses PVC, Polur

## 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 +5°F to +140°F.



Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Weight per 101 ft coil lb	Ordering No.
PVC 03	1/8	11/40	290	2	3	9093 0037 21
PVC 05	3/16	7/20	261	5	4	9093 0037 51
PVC 06	1/4	2/5	261	9	5.5	9093 0037 81
PVC 08	5/16	1/2	261	16	6.4	9093 0038 11
PVC 10	3/8	11/20	203	28	8	v9093 0038 41
PVC 13	1/2	7/10	188	45	13	9093 0038 71
PVC 16	5/8	9/10	174	91	16	9093 0039 01
PVC 20	3/4	1	176	159	18	9093 0039 31
PVC 25	1	1 1/5	160	265	27.5	9093 0039 61

<sup>a</sup> With a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft.

## 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 -22°F to +140°F.



Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Weight per 82 ft coil lb	Ordering No.
POLUR 08	5/16	1/2	290	16	5	8202 0601 08
POLUR 10	3/8	11/20	232	28	5.5	8202 0602 10
POLUR 13	1/2	7/10	188	45	9	8202 0603 13

<sup>a</sup> With a safety factor of 3 at 68°F (at the max temp of +176°F the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.

# Hoses Turbo, Rubber



## 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 -22°F to +158°F.

Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Weight per		Ordering No.
					65 ft coil lb	101 ft coil lb	
TURBO 13	1/2	3/4	232	45	8,5	–	9093 0057 91
TURBO 13	1/2	3/4	232	45	–	13	9093 0057 93
TURBO 16	2/3	9/10	232	91	10.5	–	9093 0057 31
TURBO 16	2/3	9/10	232	91	–	16	9093 0057 33
TURBO 20	5/6	1	232	159	12	–	9093 0057 61
TURBO 20	5/6	1	232	159	–	17.9	9093 0057 62

<sup>a</sup> With a safety factor of 3 at 68°F.

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.



## 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 synthetic textile yarns.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -13°F to +158°F.

Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Length ft	Weight lb	Ordering No.
RUBBER 08	3/8	2/3	232	27	98	15.2	9030 2037 00
RUBBER 13	1/2	5/8	232	44	98	27.1	9030 2038 00
RUBBER 16	5/8	3/4	232	91	98	30.6	9030 2039 00
RUBBER 20	3/4	1 1/5	232	159	98	42.5	9030 2040 00
RUBBER 20	3/4	1 1/5	232	159	65	28.4	9030 2040 03
RUBBER 25	1	1 1/2	232	265	98	52.9	9030 2041 00
RUBBER 25	1	1 1/2	232	265	65	32.3	9030 2041 03

<sup>a</sup> With a safety factor of 5 at 68°F.

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.

# Hoses Rubair

## 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 -4°F to +176°F.



Model	Hose inside dia in	Hose outside dia in	Max working pressure <sup>a</sup> psi	Max rec. air flow <sup>b</sup> cfm	Weight per 65 ft coil lb	Ordering No.
RUBAIR 10	3/8	5/8	232	27	7.9	8202 0402 10
RUBAIR 13	1/2	3/4	232	44	10.4	8202 0403 13
RUBAIR 16	5/8	1	232	91	13.5	8202 0404 16
RUBAIR 20	3/4	1	232	159	17.2	8202 0405 20
RUBAIR 25	1	1 1/3	232	265	26.0	8202 0406 25

<sup>a</sup> With a safety factor of 5 at 68°F.

<sup>b</sup> The pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.

# Spiral SPI hoses

## 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 360° rotation. All spiral hoses, except the SPI4, are fitted with plastic spring guard. SPI is the ideal hose in combination with a balancer.

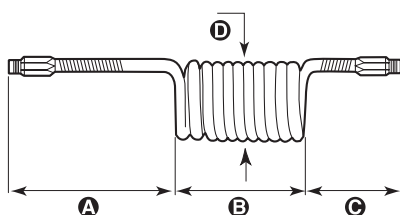
- Self-retractable.
- Light and flexible.
- Strong and durable.
- Tubing material: Polyurethane (100% PUR).
- Hardness: Shore A 98 +2.
- Colour: Blue.
- Working pressure: 116 psi at 73°F.
- Burst pressure: 363 psi at 73°F.
- Temperature range: -40°F to +158°F.



Model	Hose inside dia in	Hose outside dia in	Max. rec. airflow <sup>a</sup> cfm	Working range ft	Length			Max spiral dia (D) ft	Male threads in NPT	Ordering No.
					(A) in	(B) in	(C) in			
SPI 1SPSW-M	1/4	3/8	10	13	19 1/2	13	6	2	1/4	8202 0508 91
SPI 2SPSW-M	5/16	1/2	21	13	19 1/2	10 1/2	6	2 3/4	3/8	8202 0508 92
SPI 2SPSW-L	5/16	1/2	19	20	19 1/2	17	6	2 3/4	3/8	8202 0508 93
SPI 2SPSW-XL	5/16	1/2	13	26	19 1/2	23 1/2	6	2 3/4	3/8	8202 0508 94
SPI 3SP-M	7/16	5/8	47	13	19 1/2	10	6	4	3/8	8202 0508 95
SPI 3SP-L	7/16	5/8	36	20	19 1/2	15 1/2	6	4	3/8	8202 0508 96
SPI 3SP-XL	7/16	5/8	28	26	19 1/2	21 1/2	6	4	3/8	8202 0508 97
SPI 4SP-L	1/2	3/4	57	20	19 1/2	40 1/3	6	4 1/2	1/2	8202 0508 98
SPI 4SP-XXL	1/2	3/4	45	33	19 1/2	33 1/2	20	4 1/2	1/2	8202 0508 99

<sup>a</sup> At inlet pressure 87 psi and pressure drop 7 psi. Teflon coating on NPT threads..

## Dimensions





# Productivity kits

**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, 16.4 ft	Coupling	Lubrication	Ordering No.
<b>For screwdrivers, drills, small impacts &amp; pulse tools</b>					
MIDI-FRL-1/2-NPT EQ08-C08	19 cfm	Cabclair 08	ErgoQIC 08US	Yes	8202 0850 23
MIDI-F/R-1/2-NPT EQ08-C08	19 cfm	Cabclair 08	ErgoQIC 08US	No	8202 0850 24
<b>For 1/2" drills and small nutrunners</b>					
MIDI-FRL-1/2-NPT EQ10US-R10	34 cfm	Rubber 10	ErgoQIC 10US	Yes	8202 0850 26
<b>For drills, nutrunners, impacts &amp; pulse tools</b>					
MIDI-FRL-1/2-NPT EQ10US-C13	50 cfm	Cabclair 13	ErgoQIC10US	Yes	8202 0850 27
MIDI-FRL-1/2-NPT EQ10US-R13	50 cfm	Rubber 13	ErgoQIC10US	Yes	8202 0850 28
<b>For grinders, percussive tools, nutrunners, impacts &amp; pulse tools</b>					
MIDI-FRL-1/2-NPT EQ10US-T13	65 cfm	Turbo 13	ErgoQIC 10US	Yes	8202 0850 29
MIDI-FRL-1/2-NPT EQ10US-T13	65 cfm	Turbo 13	ErgoQIC 10US	No	8202 0850 30
<b>For large ginders</b>					
MIDI-FRL-1/2-NPT EQ15US-T16	85 cfm	Turbo 16	ErgoQIC 15US	Yes	8202 0850 31
MIDI-FRL-1/2-NPT EQ15US-T20	140 cfm	Turbo 20	ErgoQIC 15US	No	8202 0850 32
MIDI-FRL-1/2-NPT EQ15US-T20	140 cfm	Turbo 20	ErgoQIC 15US	Yes	8202 0850 33
<b>For 1/2" impact wrenches and pulse tools</b>					
MIDI-FRL-1/2-NPT EP EQQ10US-C10	34 cfm	Cabclair 10	ErgoQIC 10US	Yes	8202 0850 46

NOTE: Tool nipple is not included in the Productivity kit and needs to be order separately together with the tool.

# Hose *kits* Pre-mounted

## 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 in	Length ft	Nipple	Coupling	Air inlet thread nipple, NPT	Ordering No.
Cablair	1/4	16	ErgoNIP 08	ErgoQIC 08	-	8202 1182 01
Cablair	1/4	16	NIP 08	ErgoQIC 08US	-	8202 1182 16
Cablair	5/16	16	NIP 08	ErgoQIC 08US	-	8202 1182 21
Cablair	3/8	16	ErgoNIP 10	ErgoQIC 10	-	8202 1182 05
Cablair	3/8	16	ErgoNIP 10	ErgoQIC 08	1/4	8202 1180 10
Cablair	3/8	16	NIP 10US	ErgoQIC 10US	-	8202 1182 17
Cablair	3/8	32	ErgoNIP 10	ErgoQUC 08	1/4	8202 1180 13
Cablair	1/2	16	ErgoNIP 10	ErgoQIC 10	-	8202 1182 10
Cablair	1/2	16	ErgoNIP 10	ErgoQIC 08	1/4	8202 1180 11
Cablair	1/2 1	6	ErgoNIP 10	ErgoQIC 10	3/8	8202 1180 12
Cablair	1/2	16	NIP 10US	ErgoQIC 10US	-	8202 1182 18
Cablair	1/2	28	ErgoNIP 10	ErgoQIC 10	-	8202 1182 20
Cablair	1/2	32	ErgoNIP 10	ErgoQIC 08	1/4	8202 1180 14
Cablair	1/2	32	ErgoNIP 10	ErgoQIC 10	3/8	8202 1180 15
Rubber	3/8	16	NIP 10US	ErgoQIC 10US	-	8202 1182 23
Rubber	1/2	16	NIP 10US	ErgoQIC 10US	-	8202 1182 24
Turbo	1/2	16	NIP 10US	ErgoQIC 10US	-	8202 1182 19
Turbo	5/8	16	ErgoNIP 10	ErgoQIC 10	-	8202 1180 34
Turbo	5/8	16	NIP	15US ErgoQIC 15US	-	8202 1182 22
Turbo	5/8	32	ErgoNIP 10	ErgoQIC 10	-	8202 1180 46

## Pre-mounted hose kits

Atlas Copco SmartQIC hose kits provides an easy & safe 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.
- Plug & Play



## HOSE KITS AND WHIP HOSES















Market	Application	Nipples included	Max rec. air flow		Max working pressure		Hose Length m (ft)	Ordering No.		
			l/s	cfm	bar	psi				
<b>EU 7.6</b>										
<b>SmartQIC 08E</b>	<b>Hose kit</b>	Assembly	1/4"	7.5	15.9	14	203	5 (16.4)	4221 0000 80	
		Assembly	1/4" and 3/8"	13	27.5	12	174	5 (16.4)	4221 0000 81	
		Assembly	1/4" and 3/8"	13	27.5	12	174	10 (32.8)	4221 0000 82	
		Assembly	3/8" and 1/2"	21	44.5	11	160	5 (16.4)	4221 0000 85	
		Assembly	3/8" and 1/2"	21	44.5	11	160	10 (32.8)	4221 0000 86	
		Heavy Duty	3/8" and 1/2"	21	44.5	20	290	5 (16.4)	4221 0000 83	
	Heavy Duty	3/8" and 1/2"	21	w44.5	20	290	10 (32.8)	4221 0000 84		
	<b>Whip hose</b>	Assembly	1/4"	7.5	15.9	14	203	1 (3.3)	4221 0001 09	
		Assembly	3/8"	13	27.5	12	174	1 (3.3)	4221 0001 10	
		Assembly	3/8"	21	44.5	11	160	1 (3.3)	4221 0001 11	
	<b>EU 10.4</b>									
	<b>SmartQIC 15E</b>	<b>Hose kit</b>	Assembly	3/8" and 1/2"	21	44.5	11	160	5 (16.4)	4221 0000 89
			Assembly	3/8" and 1/2"	21	44.5	11	160	10 (32.8)	4221 0000 90
Heavy Duty			3/8" and 1/2"	21	44.5	20	290	5 (16.4)	4221 0000 87	
Heavy Duty			3/8" and 1/2"	21	44.5	20	290	10 (32.8)	4221 0000 88	
Heavy Duty			1/2" and 3/4"	43	91.1	20	290	5 (16.4)	4221 0000 91	
Heavy Duty			1/2" and 3/4"	43	91.1	20	290	10 (32.8)	4221 0000 92	
<b>Whip hose</b>		Heavy Duty	3/8"	21	44.5	20	290	1 (3.3)	4221 0001 12	
		Heavy Duty	1/2"	43	91.1	20	290	1 (3.3)	4221 0001 13	
<b>ISO 6150-B – US/Global</b>										
<b>SmartQIC 08US</b>		<b>Hose kit</b>	Assembly	1/4"	7.5	15.9	14	203	5 (16.4)	4221 0000 93
			Assembly	1/4" and 3/8"	13	27.5	12	174	10 (32.8)	4221 0000 94
			Assembly	1/4" and 3/8"	13	27.5	12	174	5 (16.4)	4221 0000 95
			Assembly	3/8"	13	27.5	12	174	1 (3.3)	4221 0001 14
	<b>SmartQIC 10US</b>	<b>Hose kit</b>	Assembly	1/4" and 3/8"	13	27.5	12	174	5 (16.4)	4221 0001 01
			Assembly	1/4" and 3/8"	13	27.5	12	174	10 (32.8)	4221 0001 02
			Assembly	3/8" and 1/2"	21	44.5	11	160	5 (16.4)	4221 0001 05
			Assembly	3/8" and 1/2"	21	44.5	11	160	10 (32.8)	4221 0001 06
			Heavy Duty	3/8" and 1/2"	21	44.5	20	290	5 (16.4)	4221 0001 03
			Heavy Duty	3/8" and 1/2"	21	44.5	20	290	10 (32.8)	4221 0001 04
	<b>Whip hose</b>	Assembly	3/8"	13	27.5	12	174	1 (3.3)	4221 0001 17	
		Assembly	3/8"	21	44.5	11	160	1 (3.3)	4221 0001 18	
		Heavy Duty	3/8"	21	44.5	20	290	1 (3.3)	4221 0001 19	
<b>SmartQIC 15US</b>	<b>Hose kit</b>	Assembly	3/8" and 1/2"	21	44.5	11	160	5 (16.4)	4221 0000 97	
		Assembly	3/8" and 1/2"	21	44.5	11	160	10 (32.8)	4221 0000 98	
		Heavy Duty	3/8" and 1/2"	21	44.5	20	290	5 (16.4)	4221 0000 96	
		Heavy Duty	1/2" and 3/4"	75	158.9	20	290	5 (16.4)	4221 0000 99	
		Heavy Duty	1/2" and 3/4"	75	158.9	20	290	10 (32.8)	4221 0001 00	
	<b>Whip hose</b>	Assembly	3/8"	21	44.5	11	160	1 (3.3)	4221 0001 15	
		Heavy Duty	3/8"	21	44.5	20	290	1 (3.3)	4221 0001 16	
	<b>Asia</b>									
	<b>SmartQIC 10A</b>	<b>Hose kit</b>	Assembly	1/4"	7.5	15.9	14	203	5 (16.4)	4221 0001 07
			Assembly	1/4" and 3/8"	13	27.5	12	174	5 (16.4)	4221 0001 08

# Hose reels



Imagine your work area free from hoses so you no longer need to worry about tripping over them! Atlas Copco hose reels are the optimal solution. Your tools will always benefit from a high air flow with a small pressure drop when using Atlas Copco hose reels – and you will have all the benefits of a tidy workplace.

## Selection Guide

HM Light	HM Open	HM Flex L	HH Open XL
			
 <p>Small screwdrivers</p>  <p>Small vane grinders</p>  <p>Small impact wrenches</p>	 <p>Percussive tools</p>  <p>Drills</p>  <p>Medium vane grinders</p>  <p>Medium impact wrenches</p>	 <p>Large vane grinders</p>  <p>Large turbine grinders</p>  <p>Large impact wrenches</p>	
0–10 l/s	10–22 l/s		22–95 l/s

# Hose reels

## 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 rive-ting and chipping hammers.

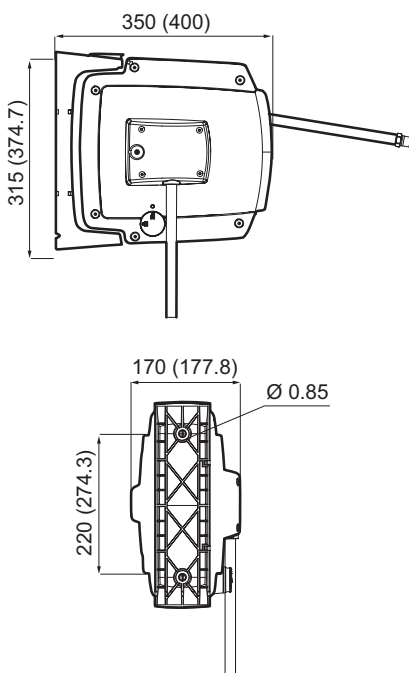
- Snap-on, pivoting wall bracket.
- PVC/PUR hose.
- Hose end provided with pressed fitting and steel spiral hose protector (NPT and BSP).
- Hose easily replaced when needed.
- Drum with ball bearings on both sides.
- Working temperature: +32°F - +122°F
- Inlet hose length: 3.3 ft.



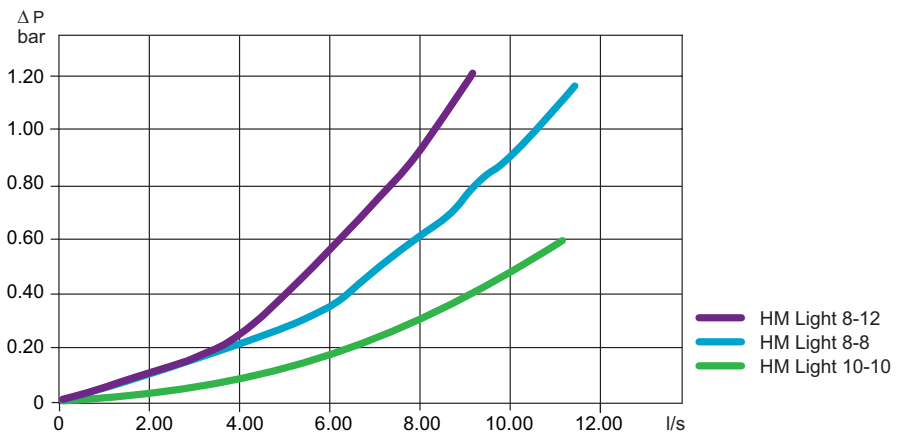
Model	Hose length ft	Hose type	Hose inside dia		Connection inlet hose inside dia (cut of hose) in	Connection distribution hose NPT	Economical air flow (at 3 psi pressure drop) cfm	Max air flow capacity (at 7 psi pressure drop) cfm	Weight lb	Ordering No.
			mm	in						
HM LIGHT 8-8	26	PVC/PUR	8	5/16	3/8	1/4 male thread	8	15	9	8202 1183 41
HM LIGHT 8-12	39	PVC/PUR	8	5/16	3/8	1/4 male thread	6	11	14	8202 1183 42
HM LIGHT 10-10	33	PVC/PUR	10	3/8	3/8	3/8 male thread	13	21	12	8202 1183 43

## 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: +14°F - +140°F
- Inlet hose length: 3.3 ft.

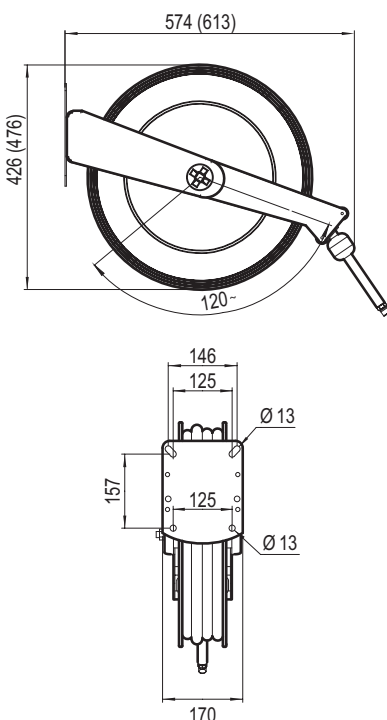


Model	Hose length ft	Hose type	Hose inside dia		Connection inlet	Connection distribution hose NPT	Economical air flow (at 3 psi pressure drop) cfm	Max air flow capacity (at 7 psi pressure drop) cfm	Weight lb	Ordering No.
			mm	in	hose inside dia (cut of hose) in					
HM OPEN 10-15	49	Rubber	10	3/8	1/2	3/8 male thread	11	19	30	8202 1183 44
HM OPEN 10-20	66	Rubber	10	3/8	1/2	3/8 male thread	11	15	36	8202 1183 45
HM OPEN 12-10	33	Rubber	12.5	1/2	1/2	1/2 male thread	28	47	32	8202 1183 46
HM OPEN 12-15	49	Rubber	12.5	1/2	1/2	1/2 male thread	23	36	35	8202 1183 47

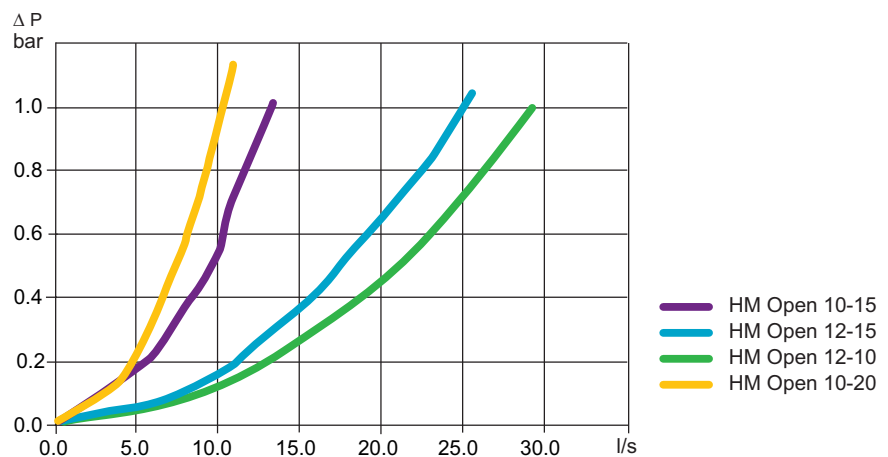
Pivoting wall brackets needs to be ordered separately.

## Dimensions

HM Open 12-10 (12-15)



## Flow chart



## Accessories

	Ordering No.
Pivoting wall bracket	4390 2080 10

# Hose reels

## 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.

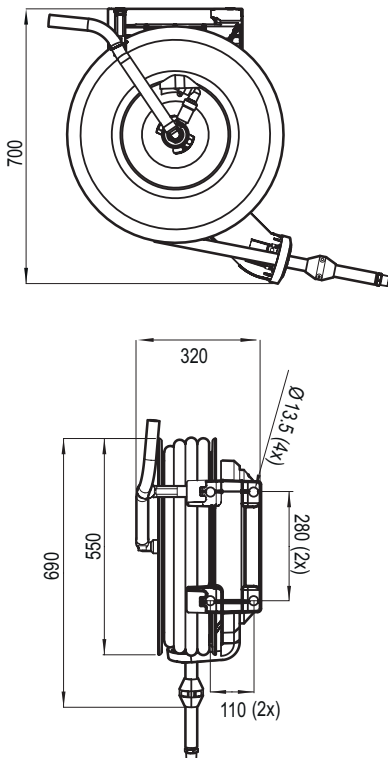


- Spatter resistant rubber hose.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -22°F to +140°F.
- Max working pressure: 290 psi.
- Inlet hose length: 5 ft.

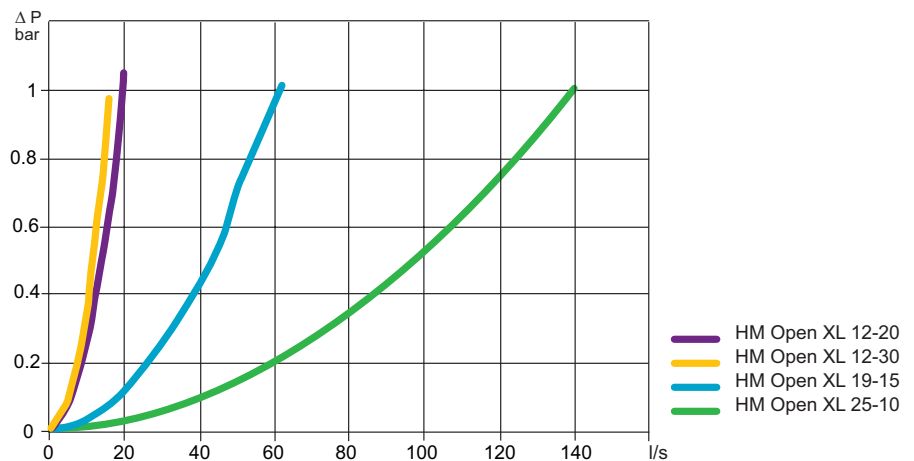
Model	Hose length ft	Hose type	Hose inside dia		Connection inlet hose inside dia (cut of hose)		Connection distribution hose NPT	Economical air flow (at 3 psi pressure drop) cfm	Max air flow capacity (at 7 psi pressure drop) cfm	Weight	
			mm	in	in	in				lb	Ordering No.
HM OPEN XL 12-20	66	Rubber	12.5	1/2	1/2	1/2	1/2 male thread	17	30	72	8202 1183 48
HM OPEN XL 12-30	98	Rubber	12.5	1/2	1/2	1/2	1/2 male thread	17	25	74	8202 1183 49
HM OPEN XL 19-15	49	Rubber	19	3/4	3/4	3/4	3/4 male thread	57	93	76	8202 1183 50
HM OPEN XL 25-10	33	Rubber	25	1	1	1	1 male thread	127	201	81	8202 1183 51

Pivoting wall brackets needs to be ordered separately.

## Dimensions



## Flow chart



## Accessories

	Ordering No.
Pivoting wall bracket	4390 2080 11



# Blow guns

## and test equipment

### 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 throttling 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.
- Complies with OSHA STD1-13.1 and OSHA 1910.95.



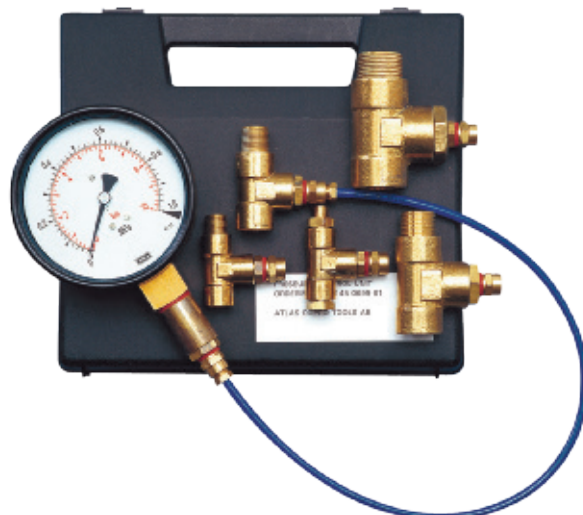
Model	Version	Working pressure bar	Air flow l/s	Weight		Air inlet thread NPT	Ordering No.
				kg	lb		
BG 2603-HF	Long tube, high flow	6.3	7.5	0.13	0.29	1/4	8202 1006 04
BG 2604-SHF	Short tube	6.3	4.3	0.12	0.26	1/4	8202 1006 05
BG 2605-STSS	Short tube, star tip	6.3	6.6	0.12	0.26	1/4	8202 1006 06
BG 2606-STSS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

## Test Equipment

### PRESSURE CONTROL UNIT

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

Ordering No. 4145 0699 81.



# Product

## safety

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 bowls.

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

- Use bowl guard.

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

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

### Quick safety couplings

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

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

### Claw couplings

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

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

### Clamps and connections

- Avoid screwdrivers when tightening.

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

### Hoses

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

### Blow guns

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

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

### Follow this order when working with claw couplings:

#### 1 How to open a claw coupling:

Close the ball valve.



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



#### 3 Release the claw coupling.



#### 4 How to close a claw coupling:

Make sure that the two claw couplings are mounted together. Use claw couplings with lock nut (LNH) or use a lock spring for safer locking.



#### 5 Open the ball valve gently.



# WEB

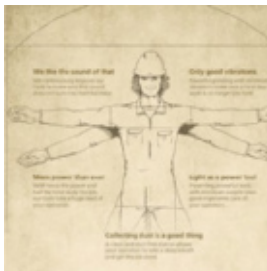
*Useful links*



ServAid portal:  
for easy access to  
product documentation



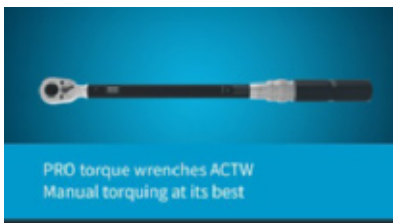
Webbox portal:  
for dimensional  
drawings



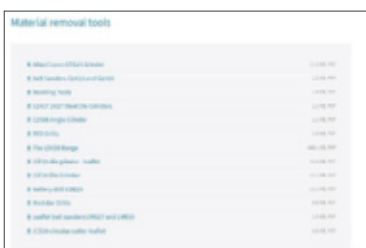
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removal tools



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W2620 / W2621



S8050



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# Vibration and Noise Emission Values

## Impact Wrenches

Model	Vibration total value (3 axes value) according to ISO 28927-2 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Impact Wrenches</b>				
<b>Pistol grip</b>				
<b>Non shut-off</b>				
LMS08 HR	<2.5	-	85	96
LMS18 HR	5.3	1.5	90	101
LMS28 HR	5.2	1.3	92	103
LMS38 HR	3.5	1.5	88	99
LMS48 HR	5.0	1.4	89	100
LMS58 HR	5.5	1.6	92	103
LMS68 HR	7.4	2.6	98	109
<b>Straight</b>				
<b>Non shut-off</b>				
LMS08 SR	5.6	2.4	85	96
LMS68 GIR/GOR	8.1	2.8	98	109
LMS88 GIR/GOR	4.8	2	100	111

## Material removal tools

Model	Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Grinders</b>				
<b>Turbine grinder</b>				
<b>Angle</b>				
GTG25 F120-13	4.1	1	78	-
GTG25 F085-18	3.1	1.3	78	-
GTG40 F085-18	3.5	0.8	84	95
GTG40 F066-23	<2.5	-	84	95
GTG40 S060-C15	3.4	0.8	84	95
<b>Grinders</b>				
<b>Turbine sander</b>				
GTG25 D120	<2.5	-	77	-
GTG25 D085	<2.5	-	76	-
GTG25 S085	<2.5	-	72	-
GTG40 S060	<2.5	-	84	95
<b>Grinders</b>				
<b>Die grinder</b>				
<b>Straight</b>				
LSF12 S200-1	3.1	1.9	74	-
LSF12 S250-1	3.0	1.4	78	-
LSF12 S310-1	3.4	1.5	77	-
LSF12 S400-1	3.9	1.8	77	-
LSF19 S200-1	3.4	0.9	<70	-
LSF19 S200-2	3.4	0.9	<70	-
LSF19 S300-1	<2.5	-	73	-
LSF19 S300-2	<2.5	-	73	-

# Vibration and Noise Emission Values

## Material removal tools

Model	Vibration total value (3 axes value) according to ISO 28927-12 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744		Model	Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)		Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Grinders</b>					<b>Grinders</b>				
<b>Die grinder</b>					<b>Straight</b>				
<b>Straight</b>					LSR48 S150-CW				
LSF19 S460-1	4.7	2	81	92	<2.5	-	80	-	
LSF19 S200E-1	3.1	1.8	<70	-	LSR48 S120-CW	<2.5	-	80	-
LSF19 S300E-1	3.4	1.8	73	-	LSR48 S090-CW	3.6	0.9	76	-
LSF19 S300E-1/R	3.3	1	73	-	LSR48 S150-10	3.1	1.2	85	96
LSF19 S460E-1	4.7	2	81	92	LSR48 S120-08	<2.5	-	78	-
LSF19 S460E-1/R	3.6	1.5	81	92	LSR48 S120-08R	<2.5	-	78	-
LSF19 S300-1/R	3.2	2.2	73	-	LSR48 S120-13	2.9	1.2	83	94
LSF39 S120E	<2.5	-	78	89	LSR48 S120-10	<2.5	-	80	-
LSF39 S150E	<2.5	-	83	94	LSR48 S090-10R	<2.5	-	78	-
LSF39 S180E	<2.5	-	87	98	LSR64 S100-15	<2.5	-	88	99
LSF39 S250E	<2.5	-	92	103	LSR64 S072-13	<2.5	-	82	93
LSF07 S850	<2.5	-	75	-	LSR64 S060-15	<2.5	-	83	94
<b>Angle</b>					Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010				
LSV12 S200-1	4.3	2.1	78	89	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)	
LSV12 S120-1	3.2	2.0	75	86	<b>Grinders</b>				
LSV19 S200-1	<2.5	-	73	-	<b>Vertical grinder</b>				
LSV19 S120-1	<2.5	-	73	-	LSS53 S085-18	3.8	1.1	78	-
LSV19 S080-1	<2.5	-	70	-	LSS53 S072-C13	2.8	1.3	76	-
LSV18 S080	3.3	-	70	-	<b>Angle grinders</b>				
					LSV19 S170-08	7.9	2.4	80	-
					LSV29 ST12-100	4	1.3	84	95
					LSV29 ST12-115	5.3	1.6	84	95
					LSV29 ST12-125	5.6	1.7	84	95
					LSV29 ST13-100E	8.3	2.8	83	94
					LSV39 SA12-125	3.5	0.8	86	97
					LSV39 ST12-527	4.8	1.5	86	97
					LSV39 ST12-427	4.0	1.3	86	97
					LSV39 SA085-125	<2.5	-	85	96
					LSV39 SA085-180	3.7	0.9	85	96
					LSV48 SA120-13	4.8	1.1	87	98
					LSV48 SA085-18	3.9	0.9	87	98
					LSV48 SA066-23	3.9	1.6	87	98
					Vibration total value (3 axes value) according to ISO 28927-12 Valid from 2010				
					Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)	
					<b>Grinders</b>				
					<b>Die grinder</b>				
					<b>Angle</b>				
					LSV29 S150	3.3	0.9	82	93

<sup>a</sup> The uncertainty in the sound levels is 3 dB(A).

# Vibration and Noise Emission Values

## Material removal tools

Model	Vibration total value (3 axes value) according to ISO 28927-3 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744		Model	Vibration total value (3 axes value) according to ISO 20643 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)		Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Grinders</b>					<b>Grinders</b>				
<b>Angle sanders</b>					<b>Router</b>				
LSV12 S120	3.2	2.0	75	86	LSK37 S250-DS1	<2.5	-	79	90
LSV12 S200	3.2	2.0	75	86	LSK37 S250-DS2	<2.5	-	79	90
LSV19 S200	<2.5	-	73	-	LSK38 S250 Do	<2.5	-	89	100
LSV19 S120	<2.5	-	73	-	LSK38 S180 Do	<2.5	-	84	95
LSV19 S080	<2.5	-	70	-					
LSV29 S021-5/8	<2.5	-	75	86					
LSV29 S021-M14	<2.5	-	75	86					
LSV29 S040-5/8	<2.5	-	75	86					
LSV29 S060-5/8	<2.5	-	82	93					
LSV29 S060-180	<2.5	-	82	93					
LSV29 S013-5/8	<2.5	-	82	93					
LSV29 S034-5/8	<2.5	-	84	95					
LSV29 S060-M14	<2.5	-	82	93					
LSV29 S018-5/8	<2.5	-	84	95					
LSV39 S085-5/8	3.3	1.4	85	96					
LSV39 S085-M14	3.3	1.4	85	96					
LSV39 S066-5/8	<2.5	0.9	83	94					
LSV39 S066-M14	<2.5	0.9	83	94					
LSV39 S120-5/8	<2.5	0.7	86	97					
LSV39 S085-M14 S	3.3	1.4	85	96					
LSV48 SA085	<2.5	-	87	98					
LSV48 SA085-M14	<2.5	-	87	98					
LSV48 SA066	<2.5	-	87	98					
LSV48 SA066-M14	<2.5	-	87	98					
LSV48 SA085 D	<2.5	-	87	98					
<b>Vertical sanders</b>					<b>Grinders</b>				
LSS53 S060	<2.5	-	76	-	<b>Circular cutters</b>				
<b>Orbital and random orbital sanders</b>					LCS10				
LST30 H090-11	3.4	0.9	82	93	LCS38 S150-D				
LST30 H090-15	3.2	1.1	82	93					
LST30 S090-15	3.3	0.8	82	93					
LST31 H090-15	3.4	0.8	84	95					
LST32 H090-15	3.2	1.1	82	93					
LST32 S090-15	3.3	0.8	82	93					
LSO30 S070-3	11	1.7	81	92					
LSO30 H070-3	11.5	1.6	81	92					
LSO31 S070-3	11	1.7	82	93					
LSO31 H070-3	11	1.7	82	93					
LSO32 H070-3	7.8	1.3	79	-					
LST20 R350	3.8	1.7	76	-					
LST20 R550	4.2	0.9	76	-					
LST20 R650	3.8	0.9	76	-					
LST20 R325	5.6	2.1	76	-					
LST20 R525	4.2	0.9	76	-					
LST20 R625	3.8	0.9	76	-					
LST21 R350	3.8	1.7	85	96					
LST21 R550	3.8	1.9	85	96					
LST21 R650	3.8	0.9	85	96					
LST21 R525	3.2	1.4	85	96					
LST21 R625	4.6	2.9	85	96					
LST22 R550	3.8	1.9	78	-					
LST22 R650	3.8	0.9	78	-					
LST22 R525	3.2	1.4	78	-					
LST22 R625	3.2	1.4	78	-					
<b>Belt sanders</b>					<b>Percussive</b>				
LMB27 S014	<2.5	-	89	100	<b>Chipping hammers</b>				
LMB35 S015	<2.5	-	83	94	<b>Vibration-damped</b>				
					RRF21				
					RRF31				
					RRD37				
					RRD57				
					<b>Conventional type</b>				
					RRC22F				
					RRC34B				
					RRC65B				
					RRC75B				
					<b>Scalers</b>				
					RVM07				
					RRC13				
					RRC13N				

<sup>a</sup> The uncertainty in the sound levels is 3 dB(A).



# Vibration and Noise Emission Values

## Material removal tools

Model	Vibration total value (3 axes value) according to ISO 28927-5 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	Uncertainty m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Drills</b>				
<b>Pistol grip</b>				
LBB26 EPX	<2.5	-	82	93
LBB36	<2.5	-	83	94
LBB37	<2.5	-	86	97
LBB45 H017	<2.5	-	88	99
LBB45 H006	3.7	1.6	88	99
LBB45 H004	<2.5	-	88	99

## Assembly tools

Model	Vibration total value (3 axes value) according to ISO 28927-2 Valid from 2010		Sound pressure levels and sound power levels <sup>a</sup> according to ISO 15744	
	Value 3-axes m/s <sup>2</sup>	"Uncertainty" m/s <sup>2</sup>	Sound pressure dB(A)	Sound power dB(A)
<b>Pistol grip</b>				
LTP61X PH	<2.5	-	80	-
LTP61X PHR	<2.5	-	80	-
LTP61 H	<2.5	-	80	-
LTP61 HR	<2.5	-	80	-
LMP61 H	<2.5	-	80	-
LMP61 HR	<2.5	-	80	-
LMP24 H	<2.5	-	78	-
LMP24 HR	<2.5	-	79	-
RTP1300-HR20	<2.5	-	90	-
RTP2600-HR25	<2.5	-	90	-
RTP4100-HR25	<2.5	-	90	-
RTP8100-GIR38	<2.5	-	99	-



## Light as a power tool

The heavier the tool – the more strain on your body. That is a fact. Weight is one of several factors that makes up the overall ergonomics of a power tool. And for jobs that don't require feed force – and perhaps include bad working posture and repetitive motion – the tool weight should be kept to a minimum.

Today our small turbine grinders have the same power as our vertical grinders from the 70's had, but with less than half of the weight and significantly lower noise and vibration levels. Giving the operator twice the power - and half the time to do the job.



Scan the code  
to learn more  
about the initiative







**Atlas Copco AB**

(publ) SE-105 23 Stockholm, Sweden

Phone: +46 8 743 80 00

Reg. no: 556014-2720

[atlascopco.com](http://atlascopco.com)

