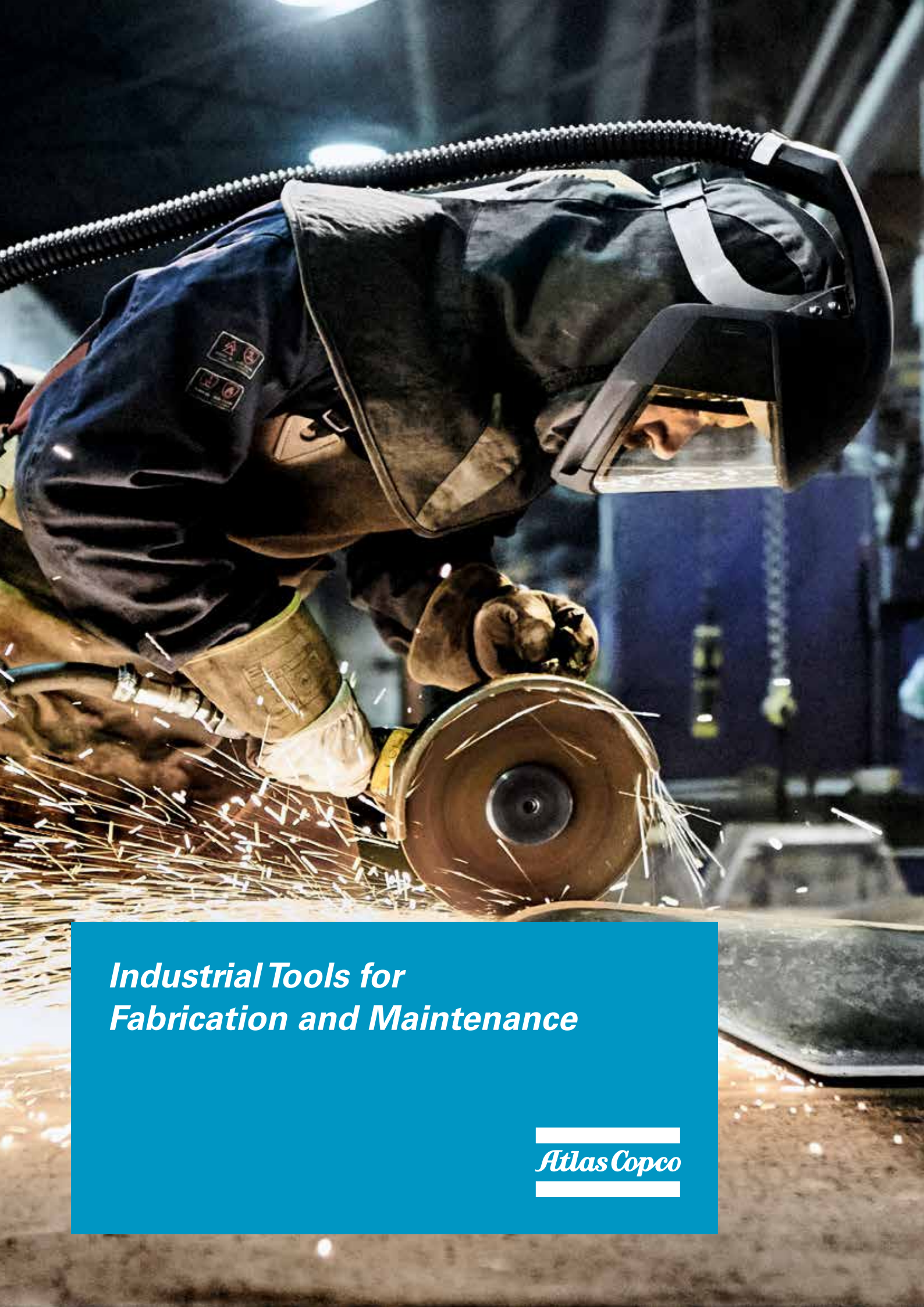




***Industrial Tools for
Fabrication and Maintenance***

Atlas Copco

SUSTAINABLE PRODUCTIVITY FOR HEAVY INDUSTRY WORLDWIDE

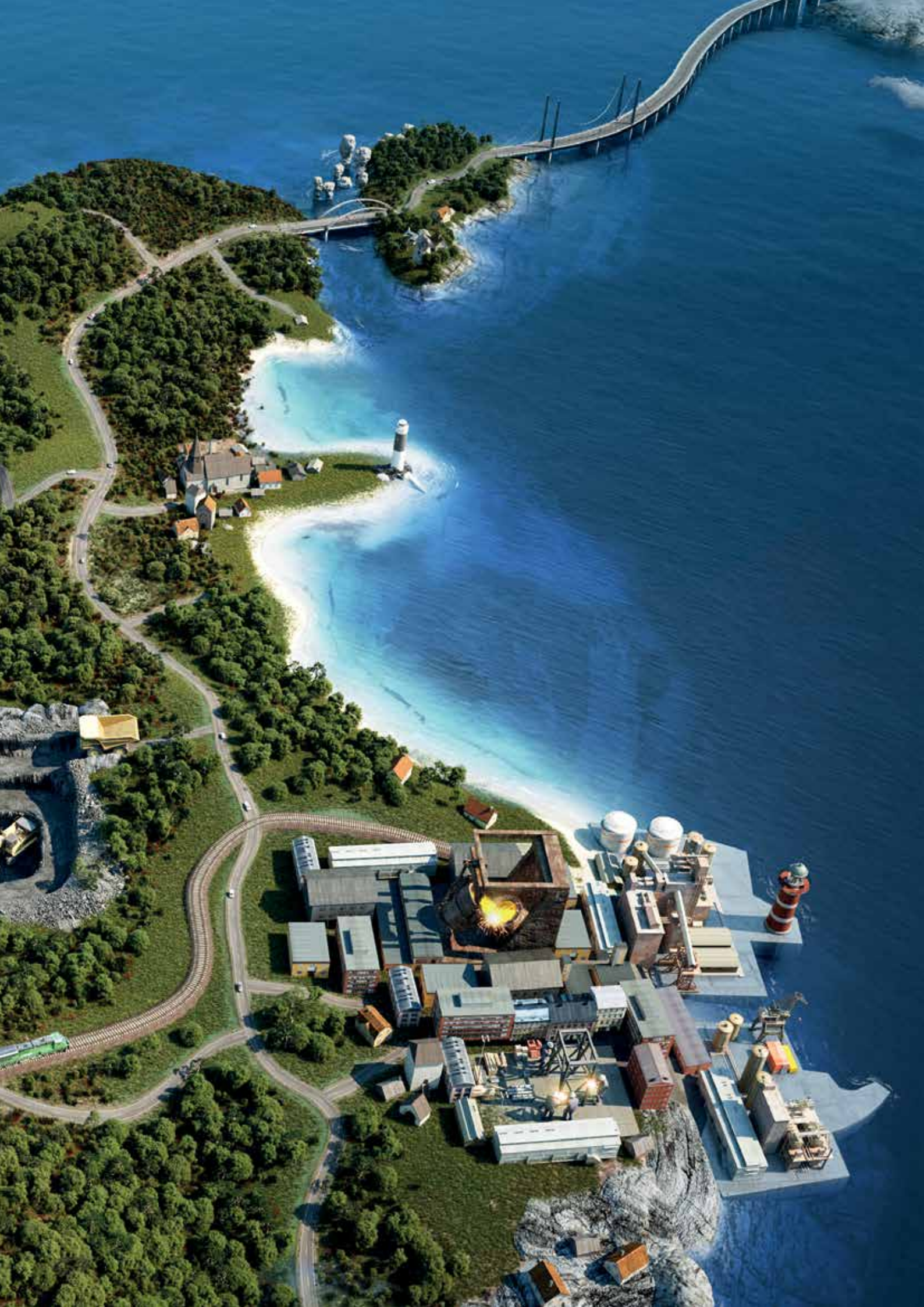
Atlas Copco power tools are frequently used for fabrication and maintenance operations in industrial sectors, such as foundries, metal fabrication, mining, offshore and rail.

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.

CONTENT

■ Material removal tools	16-73
■ Fastening tools.....	74-93
■ Air line installation.....	94-153
■ Vibrations	154-157





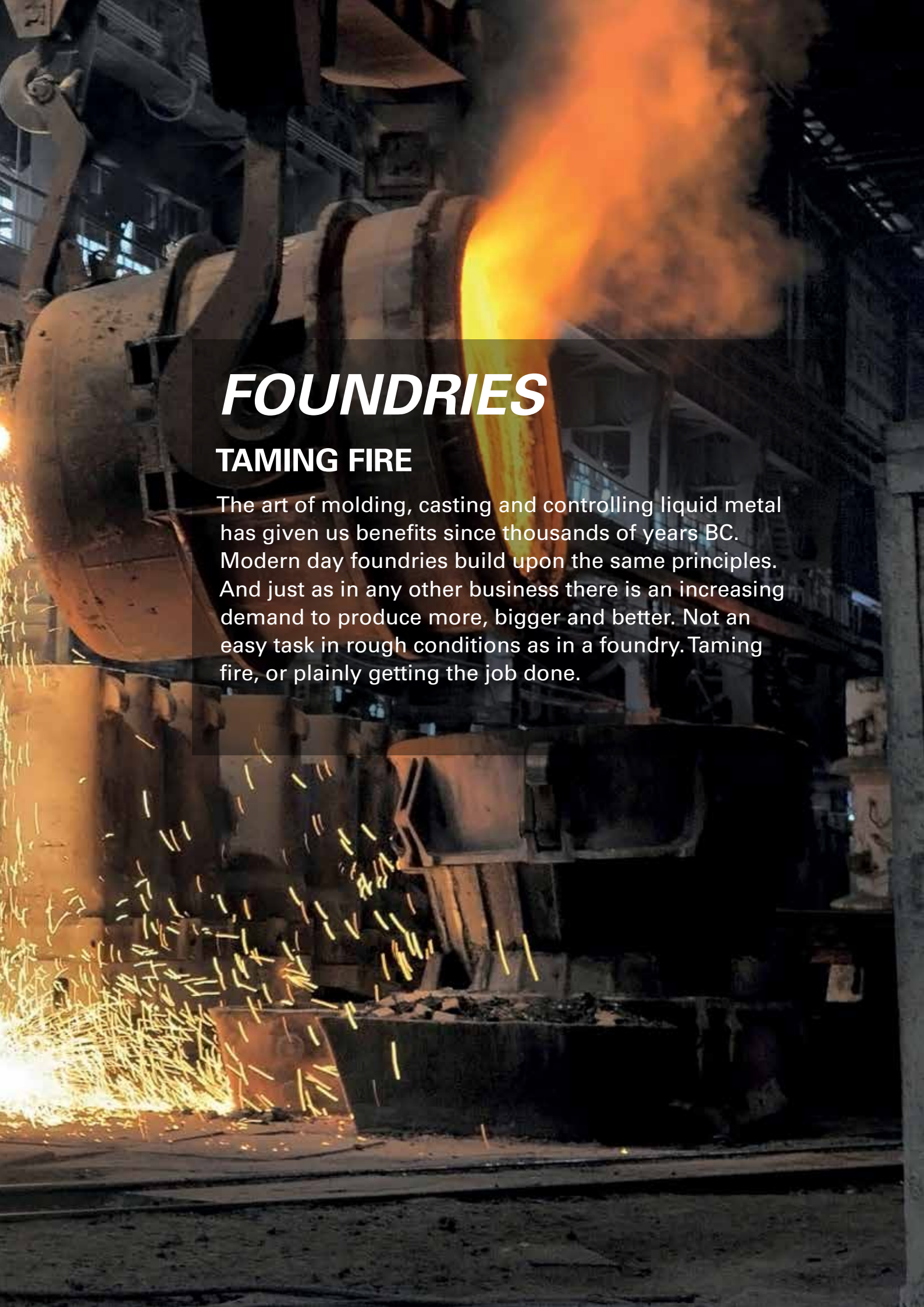


METAL FABRICATION

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 a thick stream of bright orange molten metal. The background is a dark, industrial setting with various structures and pipes. In the bottom left corner, a large amount of bright yellow sparks is being generated, likely from a grinding or cutting process.

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

Rough grinding and cutting off	16
Die grinding	28
Beveling tools	34
Sanding and polishing	36
Dust extraction	40
Fine cutting and engraving	50
Weld flux, rust and paint removal	54
Rough chiseling	58
Drilling	66
Product safety	72



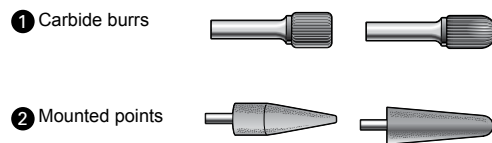
Rough grinding and cutting off



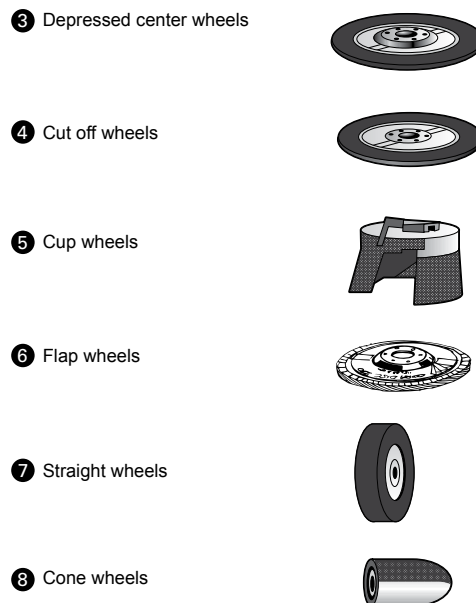
Working in a tough environment places high demands on the tools and on the operator. The high power-to-weight ratios of our tools make them comfortable to work with and gives you a superior material removal rate with minimum effort. They are powerful and built to last.

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.

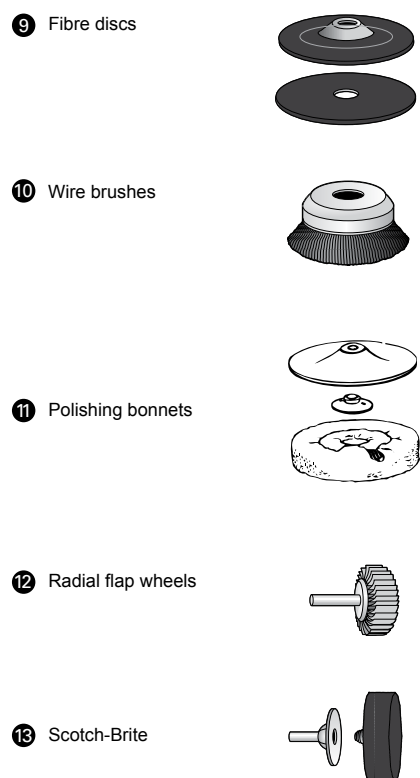
DIE GRINDING AND DEBURRING



ROUGH GRINDING AND CUTTING OFF



SANDING AND POLISHING



Grinders

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



GTG25



LSV48



GTG40



LSS64/84

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.

LSS vertical grinders have a robust design and are suitable for rough grinding on open surfaces and cutting off operations.

All the tools are fitted with a speed governor as standard to ensure optimum process speed at all times.

Selected models offer an Autobalancer as standard that reduces unbalanced forces and, in turn, vibrations.

Model	Max free speed r/min	Max output kW	Max wheel dia mm	Spindle thread	Spindle length mm	Weight kg	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
GTG25 F120-13	12000	2.5	125	-	-	2.1	59	32	9	16	3/8"	8423 2525 01
GTG25 F120-5/8	12000	2.5	125	UNC 5/8"	20	2.1	59	32	9	16	3/8"	8423 2525 10
GTG25 F120-M14	12000	2.5	125	M14	20	2.1	59	32	9	16	3/8"	8423 2525 11
GTG25 F085-18	8500	2.5	180	-	-	2.2	59	32	9	16	3/8"	8423 2525 02
GTG25 F085-5/8	8500	2.5	180	UNC 5/8"	20	2.2	59	32	9	16	3/8"	8423 2525 12
GTG25 F085-M14	8500	2.5	180	M14	20	2.2	59	32	9	16	3/8"	8423 2525 13
GTG25 F085-13	8500	2.5	125	-	-	2.2	59	32	9	16	3/8"	8423 2525 15
GTG40 F085-18	8500	4.5	180	-	-	3.8	128	60	20	16	1/2"	8423 2900 10
GTG40 F066-23	6600	4.5	230	-	-	4.0	128	60	20	16	1/2"	8423 2910 10
LSV48 SA085-18	8500	1.9	180	M14	9	2.7	88	36	17	16	1/2"	8423 0132 06
LSV48 SA066-23	6600	1.9	230	UNC 5/8"	10	2.9	88	36	17	16	1/2"	8423 0132 08
Vertical Grinders												
LSS64 S085-18	8500	2.6	180	UNC 5/8"	29	4.7	201	50	13	16	1/2"	8423 2641 38
LSS64 S060-23	6000	2.2	230	UNC 5/8"	29	5.1	201	40	9	16	1/2"	8423 2641 46
LSS84 S060-23	6000	3.8	230	UNC 5/8"	32	6.0	217	65	17	19	1/2"	8423 2840 26

Accessories

Accessories Extreme Productivity Grinders	GTG25	GTG40	LSV48	LSS64	LSS84
Flange depressed center wheel	4175 0777 90	4175 0194 90	4150 1160 02**	-	-
Flange cut-off wheel	4175 0777 92	4175 0193 90	4150 1160 05**	-	-
Flange nut	-	-	-	4170 0220 01	4170 0220 01
Flange nut kit	-	-	-	4170 0219 87	-
Flange nut, quick change Fixtec - M14	-	-	4150 1929 00	-	-
Adapter kit fiber disc	-	4175 0238 90	-	-	-
Support handle	4175 0705 90	4110 1355 88	4175 0868 82	4170 0619 00	-
Vibration damped handle	4150 1521 80	4150 1521 80	-	-	-
Positioner for support handle	-	4175 0164 90	-	-	-
MultiFlex	8202 1350 22	8202 1350 60	8202 1350 60	8202 1350 60	8202 1350 60
Diamond cutting wheels					
Ø 125 mm	3780 5074 61	-	3780 5074 61	-	-
Ø 180 mm	3780 5074 62	3780 5074 62	3780 5074 62	3780 5074 62	-
Spot suction for diamond cutting wheel					
Kit Ø 180 mm	3780 4090 35	-	3780 4093 42*	-	-
Flange set (incl. in kit)	-	-	3780 2799 50	-	-
Spot suction kit for depressed center wheel					
Kit Ø 180 mm	3780 4090 30	-	3780 4093 41*	-	-
Add on spot suction					
Ø 125 mm	3780 4032 14				
Ø 180-230 mm	3780 4032 12	3780 4032 12	3780 4032 12	3780 4032 12	3780 4032 12

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

**M14



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. 80-180 mm



LSV39

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

LSV 19/28/39 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.

LSS 53 vertical grinders have a robust design and are suitable for rough grinding on open surfaces and cutting off operations.

All tools are fitted with a speed governor as standard to ensure optimum process speed at all times. LSV39 models also include a version with an Autobalancer.



LSV19



LSV28

Model	Max free speed r/min	Max output kW	Max wheel diameter mm	Spindle thread	Spindle length mm	Weight kg	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
LSV19 S170-08	17000	0.45	80	UNF 3/8"	17	0.7	71	11.2	6.6	10	1/4"	8423 0111 40
LSV28 S060-18**	6000	0.73	180	UNC 5/8"	32	2.5	87	16.0	7.3	13	3/8"	8423 0135 53
LSV28 ST12-10	12000	0.75	100	UNF 3/8"	17	1.7	75	17.4	7.5	13	3/8"	8423 0125 14
LSV28 ST12-12	12000	0.75	115	UNF 3/8"	17	1.7	75	17.4	7.5	13	3/8"	8423 0125 16
LSV28 ST12-13	12000	0.75	125	UNF 3/8"	17	1.7	75	17.4	7.5	13	3/8"	8423 0125 17
LSV28 ST13-10E	13000	0.75	100	UNF 3/8"	17	1.5	70	21.5	14.5	13	3/8"	8423 0125 29
LSV39 SA12-125*	12000	1.80	125	M14	21	1.8	94	29.8	17.6	13	3/8"	8423 0133 01
For diamond cutting and rough sanding												
LSV39 S120-5/8	12000	1.80	125	UNC 5/8"	28	1.6	96	29.8	17.6	13	3/8"	8423 0133 07
Vertical grinder												
LSS53 S085-18	8500	1.40	180	UNC 5/8"	30	2.9	180	27.0	10.0	13	1/2"	8423 2530 72

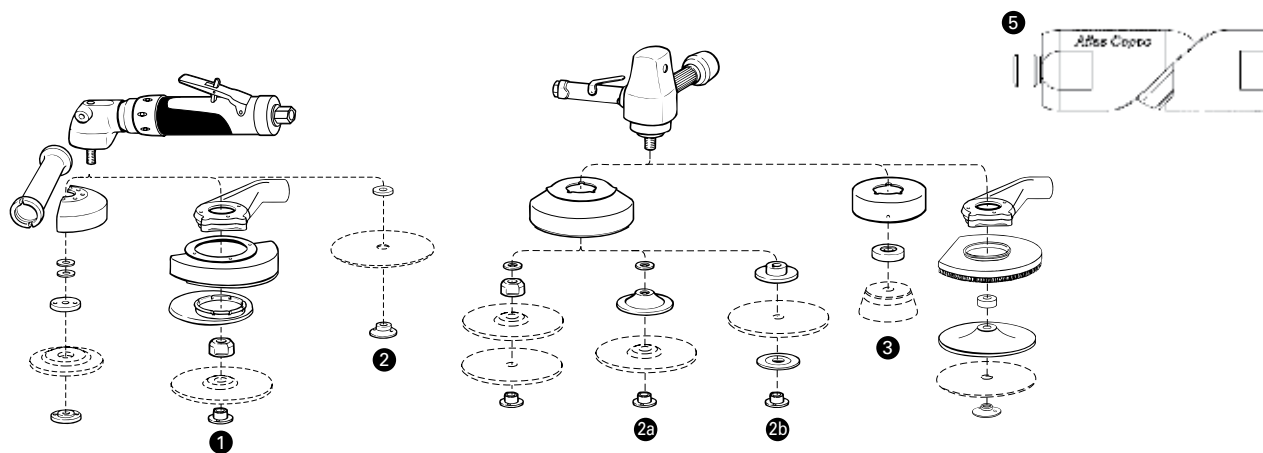
*Includes Autobalancer

**Flexible depressed centre wheel

Accessories

Accessories Grinders	LSV19	LSV28	LSV38/39	LSS53	See illustration
Flange depressed center wheel kit	-	-	-	4170 0219 87	2a
Flange cut-off wheel kit	-	-	-	4170 1133 87	2b
Flange cup wheel kit (dia 125 mm, incl. wheel guard)	-	-	-	4170 0664 80	3
Flange nut	-	-	4150 1160 02	4170 0758 01	-
Flange nut kit	4150 1158 80	4150 1160 80	-	-	-
Flange nut, quick change Fixtec - M14	-	-	4150 1929 00	-	-
Adapter for fitting flexible depressed center wheel (for LSV28 S060-18)	-	4170 0759 00	-	-	2
Support handle	-	4175 0868 80	4175 0868 80	-	-
Vibration damped handle	-	4150 1521 80	4150 1521 80	-	-
Diamond cutting wheels					
Ø 100 mm	-	3780 5074 00	-	-	-
Ø 125 mm	-	-	3780 5074 61	-	-
Ø 180 mm	-	-	-	3780 5074 62	-
Spot suction kit for Diamond cutting wheel					
Ø 125 mm (cutting depth 30 mm)	-	-	3780 4008 74*	-	-
Spot suction kit for depressed center wheel					
Ø 125 mm wheel kit	-	3780 4008 70	3780 4008 73*	-	1
Adapter UNF 3/8" UNC 5/8" (incl. in kit)	-	4021 0457 00	-	-	-
Nut 5/8" (incl. in kit)	-	3780 2722 00	-	-	-
Add on spot suction					
Ø 115-125 mm	-	3780 4032 14	3780 4032 14	-	-
Ø 180-230 mm	-	-	-	3780 4032 12	-
Alu-cut guard kit					
Saw blade, Ø 125 mm for cutting applications, 30 teeth, 2 mm thick	-	-	4112 1166 90	-	-
Saw blade, Ø 125 mm for milling applications, 6 teeth, 4 mm thick	-	-	4112 1164 00	-	-
Saw blade, Ø 125 mm for milling applications, 6 teeth, 4 mm thick	-	-	4112 1162 00	-	-
MultiFlex	8202 1350 20	8202 1350 22	8202 1350 24	8202 1350 60	5

*Only for LSV39 S120-5/8", 8423 0133 07



Productivity Kits

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

Grinders

for cup wheels & wire brushes



GTG40

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.

LSS vertical grinders have a rigid design that gives reliability and long service intervals.

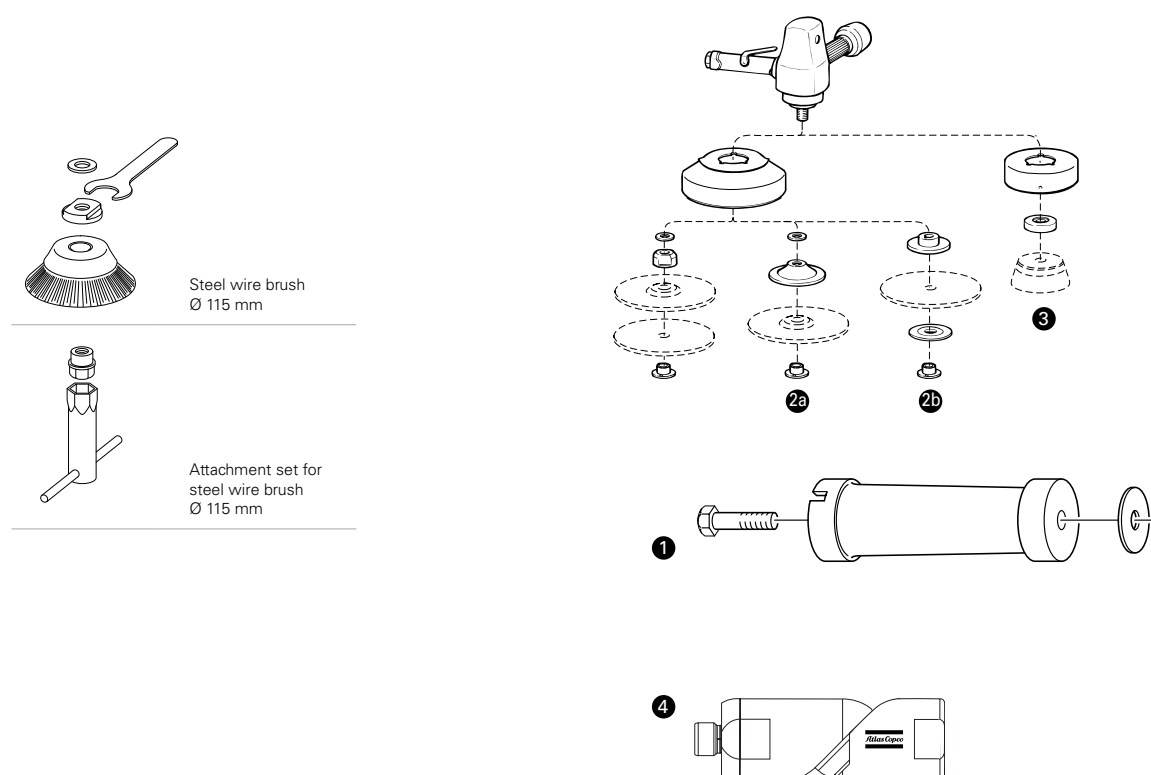


LSS64

Model	Max free speed r/min	Max output kW	Max cup wheel diameter mm	Max brush dia- meter mm	Spindle thread	Spindle length mm	Weight kg	Height over spindle mm	Air con- sump- tion at max output l/s	Air con- sump- tion at free speed l/s	Rec hose size mm	Air inlet th- read BSP	Ordering No.
GTG40 F072-C13	7200	4.5	125	-	UNC 5/8"	16	4.1	100	60	20	16	1/2"	8423 2930 30
GTG40 S060	6000	4.5	-	140	UNC 5/8"	23	3.6	132	60	20	16	1/2"	8423 2930 00
GTG40 S060-C15	6000	4.5	150	-	UNC 5/8"	16	4.3	126	60	20	16	1/2"	8423 2930 10
LSS53 S060	6000	1.2	-	115	UNC 5/8"	30	2.3	180	24	7	13	1/2"	8423 2530 23
LSS53 S060-M14	6000	1.2	-	115	M14	31	2.3	180	24	7	13	1/2"	8423 2530 27
LSS53 S072-C13	7200	1.3	125	-	UNC 5/8"	30	3.1	180	26	8	13	1/2"	8423 2534 12
LSS64 S060-C15	6000	2.2	150	140	UNC 5/8"	29	5.0	201	40	9	16	1/2"	8423 2641 04

Accessories

Accessories Grinders	GTG40	LSS53	LSS64	See illustration
Support handle	4110 1355 88	-	4170 0619 00	1
Vibration damped handle	4150 1521 80	-	-	-
Adapter kit for fiber disc	4175 0238 90	-	-	-
Steel wire brush Ø115 mm for 5/8" spindle	-	4170 0491 00	4170 0491 00	-
Attachment set for Ø115 mm wire brush	-	4170 0459 81	4170 0459 81	-
Attachment set for cup wheel with plane hole	4175 0178 90	-	-	-
Wheel friction plate	4175 0186 90	-	-	-
Flange kit 5/8" for depressed center wheel	-	4170 0219 87	4171 0219 87	2a
Flange kit 5/8" for cut off wheel	-	4170 1133 87	-	2b
Flange kit for cup wheel (Ø125mm, incl. wheel guard)	-	4170 0664 80	-	3
Flange kit for cup wheel (Ø150mm, incl. wheel guard)	-	-	4170 0652 80	3
MultiFlex	8202 1350 60	8202 1350 60	8202 1350 60	4



Productivity Kits

Model	Air inlet BSP	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI Optimizer F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI Optimizer F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI Optimizer 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
MAXI F/RD C-T20	1/2"	65 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

Straight grinders

for straight wheels



LSR48

Straight grinders are normally used when grinding inside larger cavities or on open surfaces.

LSR 43/48/64 tools are durable and ideal for tougher applications. The LSR 48 has an Autobalancer as standard to minimize vibrations.

LSR 28 is for lighter applications where accessibility is the first priority. A highly efficient dampening system minimizes vibration.



LSR28



LSR43

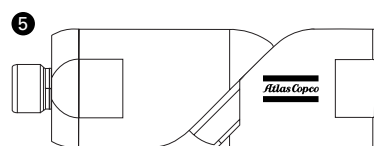
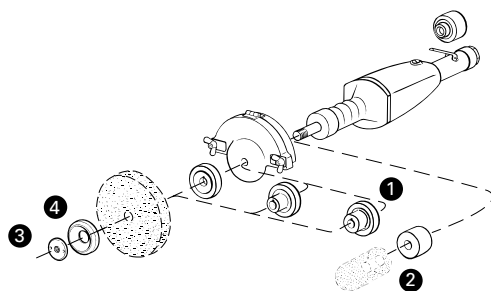


LSR64

Model	Max free speed r/min	Max output kW	Max wheel dia mm	Max brush dia mm	Length mm	Weight kg	Spindle thread	Spindle length mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Auto balancer	Ordering No.
LSR28 S110-08	11000	0.62	80	-	340	1.9	UNF 3/8"	42	15.8	3.6	13	1/2"	-	8423 1325 03
LSR28 S150-10	15000	0.70	100	-	340	2.2	UNC 1/2"	42	18.0	5.8	13	1/2"	-	8423 1325 02
LSR28 S180-05	18000	0.82	50	-	340	1.9	UNF 3/8"	42	19.8	7.3	13	1/2"	-	8423 1325 04
LSR43 S090-10	9000	0.8	100	-	460	2.4	UNC 1/2"	49	18.0	5.0	13	1/2"	-	8423 1430 18
LSR43 S120-08	12000	0.9	80	-	460	2.5	UNC 1/2"	49	20.0	7.0	13	1/2"	-	8423 1430 26
LSR43 S150-10	15000	1.0	100	-	460	2.8	UNC 1/2"	49	23.0	10.0	13	1/2"	-	8423 1430 34
LSR48 S090-10	9000	1.5	100	-	495	3.2	UNC 1/2"	37	28.0	11.0	16	1/2"	●	8423 1430 02
LSR48 S120-10	12000	1.8	100	-	495	3.5	UNC 5/8"	49	30.0	13.0	16	1/2"	●	8423 1430 09
LSR48 S120-13	12000	1.8	125	-	487	3.6	UNC 5/8"	42	30.0	13.0	16	1/2"	●	8423 1430 06
LSR64 S060-15	6000	2.3	150	-	535	5.4	UNC 5/8"	55	41.0	11.0	16	1/2"	-	8423 1640 22
LSR64 S072-13	7200	2.5	125	-	535	5.4	UNC 5/8"	55	45.0	14.0	16	1/2"	-	8423 1640 30
LSR64 S100-15	10000	2.9	150	-	535	5.8	UNC 5/8"	55	53.0	26.0	16	1/2"	-	8423 1640 55
For wire brushes														
LSR64 S041	4100	1.6	-	140	535	5.4	UNC 5/8"	55	29.0	7.0	16	1/2"	-	8423 1640 14

Accessories

Accessories Straight Grinders	LSR 28 UNF 3/8"	LSR 28 UNC 1/2"	LSR 43	LSR 48 UNC 1/2"	LSR 48 UNC 5/8"	LSR 64	See illustration
Flange nut	4150 1269 01	4150 1269 02	4150 0776 00	4150 0776 00	4150 0670 00	4150 0670 00	3
Front washer	4150 1270 01	4150 1270 02	4150 0731 00	4150 0731 00	4150 0671 00	4150 0671 00	4
Locking kit	-	-	-	-	-	-	
Rear flange for 0-25x13 mm wheel (WxH)	-	-	4150 0732 00	-	-	-	1
Rear flange for 0-25x16 mm wheel (WxH)	-	-	-	4150 0732 01	-	-	1
Rear flange for 25x16 mm wheel (WxH)	-	-	-	4150 0732 02	-	-	1
Rear flange for 25x20 mm wheel (WxH)	-	-	4150 0881 00	4150 0732 03	-	-	1
Rear flange for 25x25 mm wheel (WxH)	-	-	-	4150 0732 04	-	-	1
Rear flange for 13x10 mm wheel (WxH)	4150 1268 01	-	-	-	-	-	1
Rear flange for 13x20 mm wheel (WxH)	-	4150 1271 01	-	-	-	-	1
Rear flange for 20-25x16 mm wheel (WxH)	-	-	-	-	4150 0619 00	4150 0619 00	1
Rear flange for 20-25x20 mm wheel (WxH)	-	-	-	-	4150 1650 00	4150 1650 00	1
Rear flange for 20-25x25 mm wheel (WxH)	-	-	-	-	4150 0713 00	4150 0713 00	1
Rear flange for 20-25x32 mm wheel (WxH)	-	-	-	-	4150 0620 00	4150 0620 00	1
Spacer for cone wheel	-	-	-	-	4150 0787 00	4150 0787 00	2
Steel wire brush Ø115 mm for 5/8" spindle	-	-	-	-	-	4170 0491 00	
Attachment set for Ø115 mm wire brush	-	-	-	-	-	4170 0459 81	
MultiFlex	8202 1350 60	8202 1350 60	8202 1350 60	8202 1350 60	8202 1350 60	8202 1350 60	5



Productivity Kits

Model	Air inlet BSP	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI Optimizer F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI Optimizer F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI Optimizer 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
MAXI F/RD C-T20	1/2"	75 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

Straight grinders

for cone wheels



LSR38 CW



LSR28 CW



LSR48 CW



LSR43 CW

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

LSR 43/48 tools are durable and ideal for tougher applications. The LSR 48 has an Autobalancer as standard to minimize vibrations.

LSR 28/38 is for lighter applications where accessibility and finish are first priority.

Model	Max free speed r/min	Max output kW	Length mm	Weight kg	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Auto balancer	Scatter damped	Ordering No.
LSR28 S120-CW	12000	0.7	304	1.2	16	4	13	3/8"	-	●	8423 1325 05
LSR28 S150-CW	15000	0.7	304	1.2	18	6	13	3/8"	-	●	8423 1325 06
LSR38 S150-CW	15000	1.25	323	1.5	24	13	13	3/8"	-	-	8423 1232 31
LSR38 S180-CW	18000	1.35	323	1.5	28	15	13	3/8"	-	-	8423 1232 30
LSR43 S120-30	12000	0.9	438	2.0	20	7	13	1/2"	-	-	8423 1432 24
LSR43 S150-30C*	15000	1.0	503	2.1	23	10	13	1/2"	-	-	8423 1432 33
LSR48 S090-CW	9000	1.5	450	2.3	28	11	16	1/2"	●	-	8423 1430 03
LSR48 S120-CW	12000	1.8	450	2.3	30	13	16	1/2"	●	-	8423 1430 05
LSR48 S150-CW	15000	2.0	450	2.3	35	19	16	1/2"	●	-	8423 1430 08

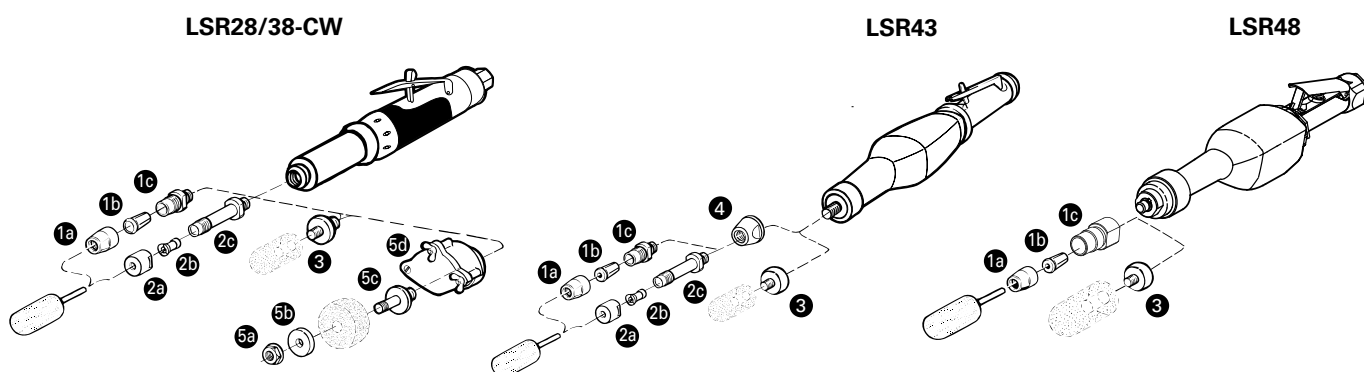
*With collet attachment

Accessories

Model	LSR28	LSR38	LSR43	LSR48	See illustration
Adapter for cone with thread					
UNC/W 3/8"	4150 0318 00	4150 0318 00	4150 0943 00	-	3
UNF 3/8"	4150 0318 01	4150 0318 01	4150 0943 01	-	3
UNC 1/2"	4150 1357 00	4150 1357 00	4150 0944 00	-	3
UNC/W 5/8"	4150 0767 00	4150 0767 00	4150 0945 00	4150 0945 01*	3
Collet type					
Nut	4150 0849 00	4150 0849 00	4150 0849 00	4150 0849 00	1b
Collet Ø 6 mm	4150 1453 00	4150 1453 00	4150 1453 00	4150 1453 00	1a
Collet Ø 8 mm	4150 0706 00	4150 0706 00	4150 0706 00	4150 0706 00	1b
Collet Ø 9 mm	4150 0765 00	4150 0765 00	4150 0765 00	4150 0765 00	1b
Collet Ø 10 mm	4150 0681 00	4150 0681 00	4150 0681 00	4150 0681 00	1b
Collet Ø 1/4"	4150 1754 00	4150 1754 00	4150 1754 00	4150 1754 00	1b
Collet holder	4150 0680 00	4150 0680 00	4150 0680 00	4150 0680 01	1c
Adapter to mount collet holder on tool			4150 0861 00		4
Collet type					
Nut	4150 0221 00	4150 0221 00	4150 0221 00	-	2b
Collet Ø 6 mm	4150 0222 00	4150 0222 00	4150 0222 00	-	2a
Collet Ø 8 mm	4150 0325 00	4150 0325 00	4150 0325 00	-	2b
Collet Ø 1/4"	4150 0223 00	4150 0223 00	4150 0223 00	-	2b
Collet holder 90 mm	4150 0441 00	4150 0441 00	4150 0441 00	-	2b
Collet holder 45 mm	4150 0211 00	4150 0211 00	4150 0211 00	-	2c
Adapter to mount collet holder on tool			4150 0861 00	-	2c
For use with straight wheels					
Nut	0266 2111 00	0266 2111 01	-	-	5a
Flange	4106 5938 00	4106 5938 00	-	-	5b
Rear flange for 50-100x25x20 mm wheel	-	-	4150 0881 00	-	-
Holder for 50x19x10 mm wheels	4150 0212 00	4150 0212 00	-	-	5c
Holder for 50x13x10 mm wheels	4150 1145 00	4150 1145 00	-	-	5c
Wheel guard	4150 1299 81	4150 1299 81	-	-	5d
MultiFlex	8202 1350 22	8202 1350 22	8202 1350 24	8202 1350 60	-

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

*LSR48 has UNC 1/2" spindle for direct attachment of a cone wheel. For UNC 5/8" spindle or collet use an adapter (not included).



Productivity Kits

Model	Air inlet BSP	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI Optimizer F/RD EQ10-T13	3/8"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI Optimizer F/R EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	1/2"	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
MIDI Optimizer 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 0.51 kw



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. LSF 19 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

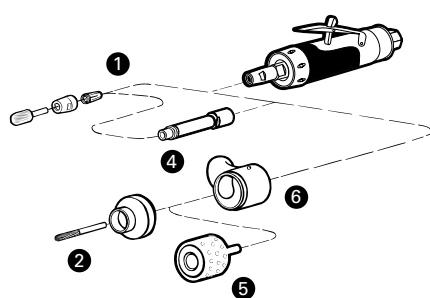
Model	Max free speed r/min	Max output kW	Collet size mm	Length mm	Weight kg	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Scatter damped	Ordering No.
Straight die grinders											
LSF12 S200-1	20000	0.24	6	170	0.36	8.1	2.6	8	1/4"	-	8423 1124 01
LSF12 S250-1	25000	0.29	6	170	0.36	8.5	3.4	8	1/4"	-	8423 1124 02
LSF12 S310-1	31000	0.32	6	170	0.36	9.2	4.2	8	1/4"	-	8423 1124 03
LSF12 S400-1	40000	0.36	6	170	0.36	9.8	7.0	8	1/4"	-	8423 1124 04
LSF19 S200-1	20000	0.5	6	193	0.5	9.6	3.5	10	1/4"	•	8423 1224 80
LSF19 S200-2	20000	0.5	1/4"	193	0.5	9.6	3.5	10	1/4"	•	8423 1224 83
LSF19 S300-1	30000	0.5	6	193	0.5	11.3	6.6	10	1/4"	•	8423 1224 81
LSF19 S300-2	30000	0.5	1/4"	193	0.5	11.3	6.6	10	1/4"	•	8423 1224 84
LSF19 S300-1/R	30000	0.5	6	193	0.5	11.3	6.6	10	1/4"	-	8423 1224 89
LSF19 S460-1	46000	0.5	6	193	0.5	11.4	15	10	1/4"	•	8423 1224 82
Straight extended die grinders											
LSF19 S200E-1	20000	0.5	6	293	0.7	9.6	3.5	10	1/4"	•	8423 1224 85
LSF19 S300E-1	30000	0.5	6	293	0.7	11.3	6.6	10	1/4"	•	8423 1224 86
LSF19 S300E-1/R	30000	0.5	6	293	0.7	11.3	6.6	10	1/4"	-	8423 1224 88
LSF19 S460E-1	46000	0.5	6	293	0.7	11.4	15	10	1/4"	•	8423 1224 87
LSF19 S460E-1/R	46000	0.5	6	293	0.7	11.4	15	10	1/4"	-	8423 1224 90
Angle die grinders											
LSV12 S120-1	12000	0.24	6	166	0.54	8.3	3.0	8	1/4"	-	8423 1124 05
LSV12 S200-1	20000	0.29	6	166	0.54	9.5	6.4	8	1/4"	-	8423 1124 06
LSV19 S080-1	8000	0.37	6	185	0.6	11.3	6.5	10	1/4"	-	8423 0111 46
LSV19 S120-1	12000	0.46	6	185	0.6	11.3	7.5	10	1/4"	-	8423 0111 43
LSV19 S200-1	20000	0.46	6	185	0.6	11.3	7.5	10	1/4"	-	8423 0111 41
High speed pen											
LSF07 S850	88000	0.10	3	173	0.4	2.2	2.3	4.5	-	-	8423 1222 03

R=Rigid mount

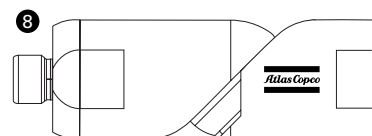
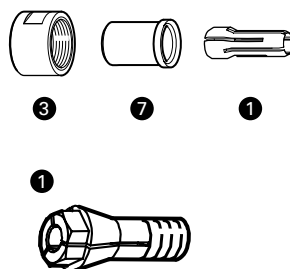
Accessories

Model	LSF07	LSF/LSV12	LSF/LSV19	See illustration
Collets				
Collet Ø 1/8"	4150 1822 00	4150 2226 46	4150 0082 00	1
Collet Ø 1/4"	-	4150 2226 03	4150 0076 00	1
Collet Ø 3/16"	-	4150 2226 48	4150 0649 00	1
Collet Ø 5/32"	-	-	4150 0648 00	-
Collet Ø 5/16"	-	-	4150 0074 00	1
Collet Ø 3 mm	4150 1800 00	4150 2226 46	4150 0081 00	1
Collet Ø 5 mm	-	-	4150 0075 01	1
Collet Ø 6 mm	-	4150 2226 03	4150 0075 00	1
Collet Ø 8 mm	-	-	4150 0074 00	1
Collar	-	4150 2226 02	-	7
Collet nut	-	4150 2226 04	4150 0760 00	3
Collet holder	-	4150 2226 21	4150 1262 00	-
Extension 75 mm (3"). Only for rigid (-R) models	-	-	4150 0674 00	4
For machining of plastic and fibreglass*				
Spot suction kit burr (diamond burr not included)	-	3780 3015 23*	3780 3015 22*	6
Diamond burr Ø 6 mm	-	3780 5013 70	3780 5013 70	2
Spot suction kit drum (diamond drum not incl). For use with 6 mm collet	-	-	3780 4011 61*	6
Diamond drum Ø 27 mm	-	-	3780 5033 00	5
Shaft Ø 6 mm (included in spot suction kit)	-	-	3780 5090 30	-
Locking screw for drum (included in spot suction kit)	-	-	3780 5090 60	-
MultiFlex	-	8202 1350 20	8202 1350 20	8

*For LSF models only.



Only for LSF/LSV12



Die grinders

up to 0.66–1.35 kw

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

LSF 28/38 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.



LSF28



LSF28 E



LSF38

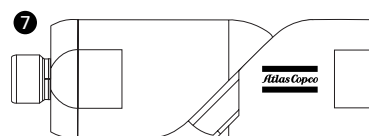
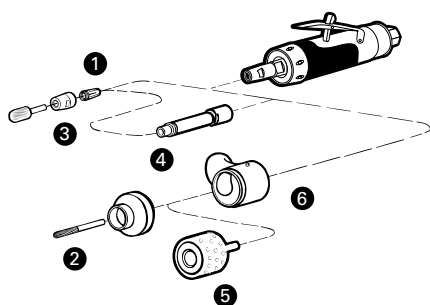
Model	Max free speed r/min	Max output kW	Collet size mm	Length mm	Weight kg	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Scatter damped	Ordering No.
Straight die grinders											
LSF28 ST030	3000	0.67	6	257	1.2	18.0	8.6	13	3/8"	-	8423 1235 63
LSF28 ST070	7000	0.76	6	257	1.2	18.9	12.4	13	3/8"	-	8423 1235 66
LSF28 S120	12000	0.66	6	213	0.8	13.8	4.0	13	3/8"	●	8423 1235 67
LSF28 S150	15000	0.70	6	213	0.8	15.0	5.5	13	3/8"	●	8423 1235 64
LSF28 S180	18000	0.82	6	213	0.8	17.4	7.0	13	3/8"	●	8423 1235 04
LSF28 S180-1R	18000	0.82	6	213	0.8	17.4	7.0	13	3/8"	-	8423 1235 41
LSF28 S250	25000	0.86	6	213	0.8	18.5	11.0	13	3/8"	●	8423 1235 11
LSF28 S250-R	25000	0.86	6	213	0.8	18.5	11.0	13	3/8"	-	8423 1235 48
Straight extended die grinders											
LSF28 ST030E	3000	0.67	6	383	1.8	18.0	8.6	13	3/8"	-	8423 1235 62
LSF28 ST070E	7000	0.76	6	383	1.8	18.9	12.4	13	3/8"	-	8423 1235 65
LSF28 S150E	15000	0.70	6	338	1.3	15.0	5.5	13	3/8"	●	8423 1235 61
LSF28 S180E	18000	0.82	6	338	1.3	17.4	7.0	13	3/8"	●	8423 1235 05
LSF28 S180E-1R	18000	0.82	6	338	1.3	17.4	7.0	13	3/8"	-	8423 1235 42
LSF28 S250E-R	25000	0.86	6	338	1.3	18.5	11.0	13	3/8"	-	8423 1235 49
LSF28 S250E	25000	0.86	6	338	1.3	18.5	11.0	13	3/8"	●	8423 1235 60
LSF38 S150E-01/R	15000	1.25	6	356	1.5	24.0	13.0	13	3/8"	-	8423 1231 14
LSF38 S180E-01/R	18000	1.35	6	356	1.5	28.0	15.0	13	3/8"	-	8423 1231 15
LSF38 S180E-01	18000	1.35	6	356	1.5	28.0	15.0	13	3/8"	●	8423 1231 16
LSF38 S250E-01	25000	1.35	6	356	1.5	28.0	25.0	13	3/8"	●	8423 1231 17
Angle die grinders											
LSV28 S150	15000	0.68	6	250	1.2	17.0	8.3	10	3/8"	-	8423 0125 54

R=Rigid mount

Accessories

Model	LSF/LSV28	LSF38	See illustration
Collets			
Collet Ø 1/4"	4150 0076 00	4150 1754 00	1
Collet Ø 3/16"	4150 0649 00	-	
Collet Ø 5/16"	4150 0074 00	-	
Collet Ø 3 mm	4150 0081 00	-	1
Collet Ø 5 mm	4150 0075 01	-	
Collet Ø 6 mm	4150 0075 00	4150 1453 00	1
Collet Ø 8 mm	4150 0074 00	4150 0706 00	1
Collet Ø 9 mm	-	4150 0765 00	1
Collet Ø 10 mm	-	4150 0681 00	1
Collet nut	4150 0760 00	4150 0849 00	3
Collet holder (LSF)	-	4150 1587 00	-
Collet holder and collet nut (LSF)	4110 0844 90	-	-
Extension 75 mm (3"). Only for rigid (-R) models	4150 0674 00	-	4
For machining of plastic and fiberglass*			
Spot suction kit burr (diamond burr not included)	3780 4007 42*	-	6
Diamond burr Ø 6 mm	3780 5013 70	-	2
Spot suction kit drum (diamond drum not incl.). For use with 8 mm collet	3780 4011 73*	-	6
Diamond drum Ø 52 mm	3780 5035 00	-	5
Shaft Ø 8 mm (included in spot suction kit)	3780 5091 00	-	-
Locking nut (included in spot suction kit)	3780 5092 00	-	-
Distance nut (included in spot suction kit)	3780 5091 50	-	-
MultiFlex	8202 1350 22	8202 1350 24	7

*For LSF model only.



Productivity Kits

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

Beveling tools



GTB

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.



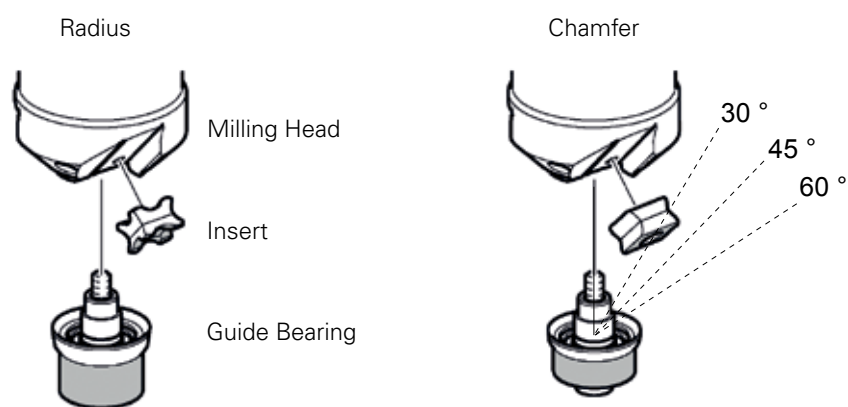
LSB

Model	Max free speed r/min	Max bevel width mm	Max radius mm	Max. power kW	weight kg	Max height over guide plate mm	Air consumption max output l/s	Air consumption free speed l/s	Rec. hose size mm	Air inlet thread BSP	Ordering No.
LSB 38 S085	8500	8	4	1.3	2.5	111	28	15	13	3/8"	8423 0131 30
GTB25-S085	8500	15	4	2.5	3.7	137	34	9	16	3/8"	8423 2525 50

Beveling Matrix

	Radius 2 mm	Radius 3 mm	Radius 4 mm	Chamfer 30 °	Chamfer 35 °	Chamfer 40 °	Chamfer 45°	Chamfer 50°	Chamfer 55°	Chamfer 60°
LSB 38										
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
GTB 25										
Milling Head	4175 0680 87	4175 0680 87	4175 0680 87	4175 0680 88	4175 0680 93	4175 0680 94	4175 0680 87	4175 0680 90		4175 0680 89
Guide bearing	4175 0682 85	4175 0682 82	4175 0682 83	4175 0682 80	4175 0682 86	4175 0682 87	4175 0680 82	4175 0682 84		4175 0682 81
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		4150 2241 92

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

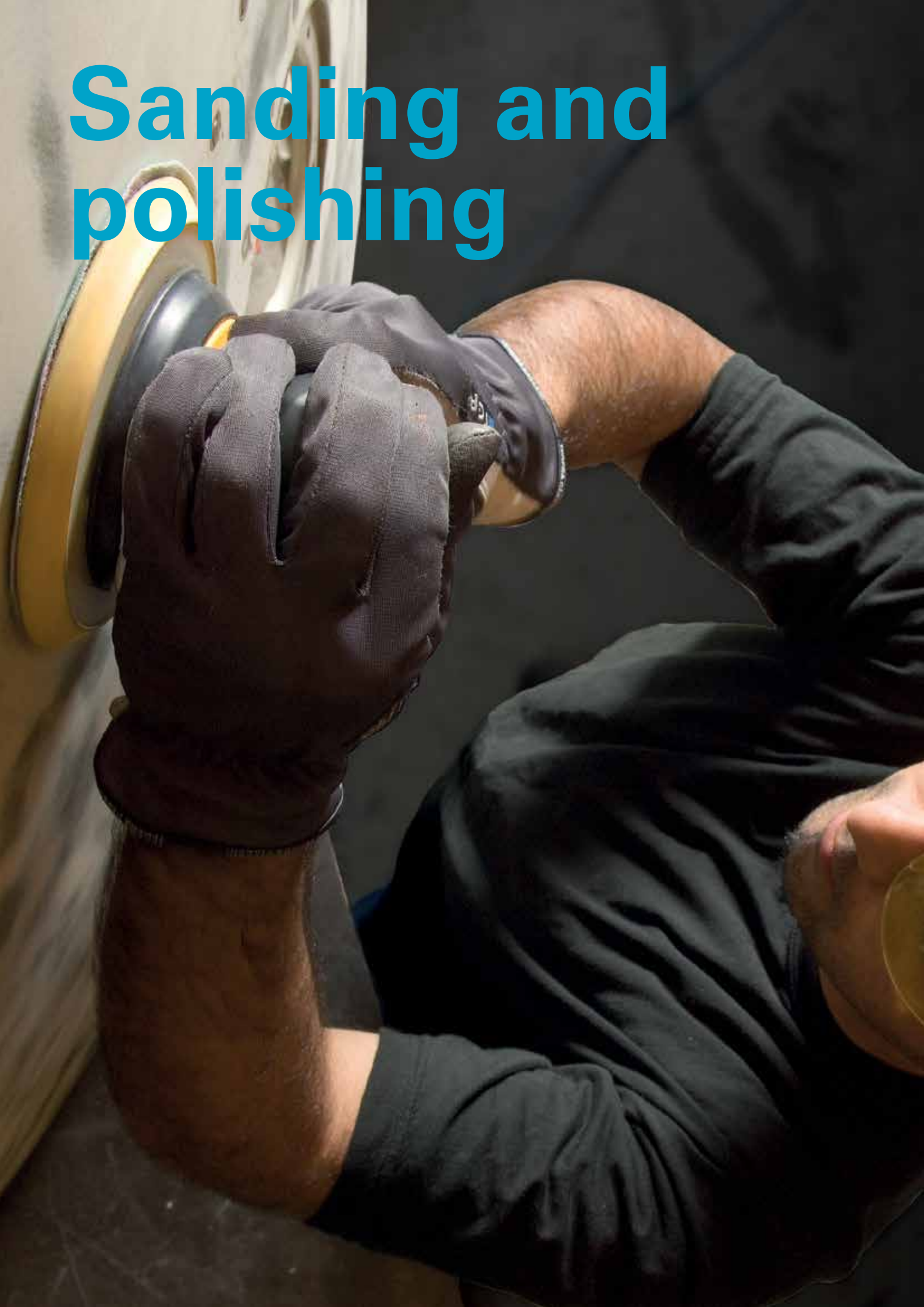


Productivity Kits

Model	Economical air flow	Max air flow	Hose, 5 mm	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17

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. 180-230 mm*



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 1.9 kW 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

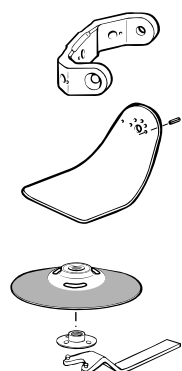
Model	Max free speed r/min	Max output kW	Max pad dia mm	Spindle thread	Spindle length mm	Weight kg	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
GTG25-S060	6000	2.5	230	UNC 5/8"	23	2.0	84	32	9	16	3/8"	8423 2525 20
GTG25-S060-M14	6000	2.5	230	M14	23	2.0	84	32	9	16	3/8"	8423 2525 21
GTG25-S085	8500	2.5	180	UNC 5/8"	23	2.0	59	32	9	16	3/8"	8423 2525 03
GTG25-S085-M14	8500	2.5	180	M14	23	2.0	59	32	9	16	3/8"	8423 2525 04
GTG40 S060	6000	4.5	230	UNC 5/8"	23	3.6	132	60	20	16	1/2"	8423 2930 00
LSV48 SA066	6600	1.9	180	UNC 5/8"	21	2.3	78	36	17	16	1/2"	8423 0132 00
LSV48 SA085	8500	1.9	180	UNC 5/8"	21	2.3	78	36	17	16	1/2"	8423 0132 02
LSV48 SA085-M14	8500	1.9	180	M14	18	2.3	78	36	17	16	1/2"	8423 0132 03

Backing pad not included

Accessories

Model	GTG 25	GTG40	LSV48	See illustration
Backing set, standard type				
Ø 125mm - 5/8" - soft	-	-	4170 0768 80	-
Ø 180mm - 5/8" - soft	-	-	4170 0756 80	-
Ø 180mm - 5/8" - stiff	-	-	4170 0757 80	-
Backing set with cooling ribs				
Ø 125mm - 5/8" and M14, medium	-	-	4150 1962 80	-
Ø 180 mm - 5/8" and M14, stiff	4150 1962 83	4150 1962 83	4150 1962 83	-
Ø 180 mm - 5/8" and M14, medium	4150 1962 81	4150 1962 81	4150 1962 81	-
Backing set, heavy duty type				
Ø 120 mm - M14	-	-	4175 0883 93	-
Ø 162 mm -M14	-	-	4175 0883 91	-
Ø180 mm - M14	4170 1192 91	4170 1192 91	4170 1192 91	-
Ø 120 mm - 5/8"	-	-	4175 0883 92	-
Ø 162 mm - 5/8"	-	-	4175 0883 90	-
Ø180 mm - 5/8"	4170 1192 90	4170 1192 90	4170 1192 90	-
Ø 230 mm - 5/8"	-	4170 1193 90	-	-
Adapter kit for fiber disc				
Adapter kit for fiber disc		4175 0238 90	-	-
Flange washer for 5/8"	-	-	4175 0893 00	5
Flange washer for M14	-	-	4175 0893 01	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	4150 1521 80	-
Positioner for support handle	-	4175 0164 90	-	-
Spot suction kit for sanding with fibre disc				
Ø 180 mm kit	3780 4090 27	3780 4090 11	3780 4093 40	-
Suction cap Ø 180 mm with brush (incl. in kit)	3780 2675 00	3780 2675 00	3780 2675 00	2
Backing pad Ø 180 mm (incl. in kit)	3780 2710 60	3780 2710 60	3780 2710 60	3
Distance washer 12 mm (incl. in kit)	3780 2721 40	3780 2721 40	3780 2721 50	6
Nut 5/8" (incl. in kit)	3780 2722 00	3780 2722 00	3780 2726 70	5
Brush for suction cap, 20 mm Ø 180 mm				
Brush for suction cap, 20 mm Ø 180 mm	3780 2677 50	3780 2677 50	3780 2677 50	-
Brush for suction cap, 30 mm Ø 180 mm				
Brush for suction cap, 30 mm Ø 180 mm	3780 2677 30	3780 2677 30	3780 2677 30	-
MultiFlex				
MultiFlex	8202 1350 22	8202 1350 60	8202 1350 24	7

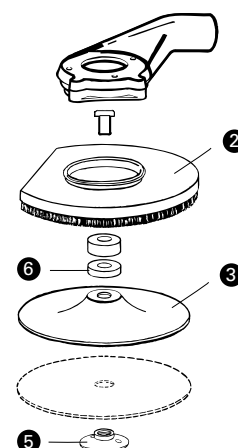
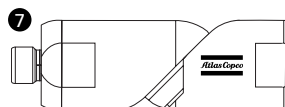
GTG40



Positioner for support handle

Hand shield

Back-up pad



Productivity Kits

Model	Air inlet BSP	Economical air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
MAXI F/R C-T16	1/2"	43 l/s	Turbo 16 mm	Claw	No	8202 0850 05
MAXI F/RD C-T20	1/2"	65 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

Sanders

*dust extraction
for fiber discs, dia. 125-180 mm*



LSV39

LSV28 tools are small yet powerful, one-handed sanders. They are available in various speeds and also in a wet sanding version.

LSV39 has an incredibly 1.8 kW in a very small package, making this the most versatile tool we have! No matter if you are doing rough grinding or work in cramped spaces, this will be the tool for you.

LSS tools are robust vertical sanders with aluminum housings for long working life-times.



LSV28



LSS53

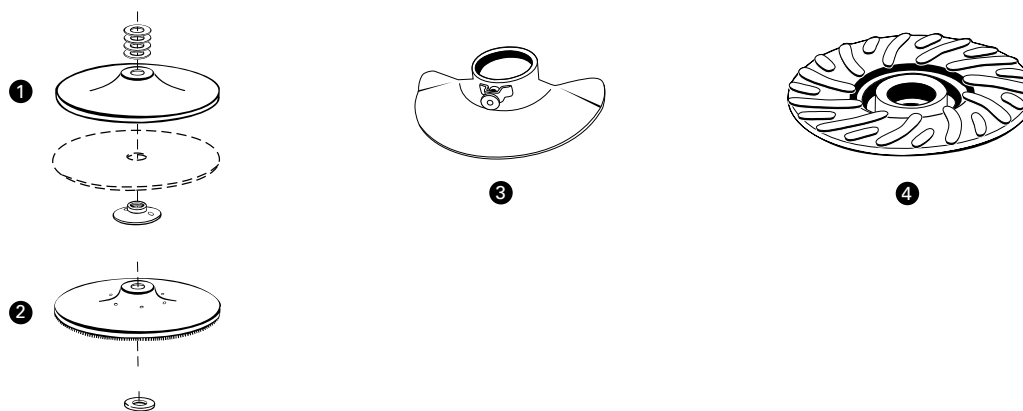
Model	Max free speed r/min	Max output kW	Max pad dia mm	Spindle thread	Spindle length mm	Weight kg	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
LSV28 S040	4000	0.62	180	UNC 5/8"	32	1.5	86	15.0	4.0	13	3/8"	8423 0126 22
LSV28 S060	6000	0.73	180	UNC 5/8"	32	1.5	86	16.0	7.3	13	3/8"	8423 0125 30
LSV28 S060-M14	6000	0.73	180	M14	16	1.5	86	16.0	7.3	13	3/8"	8423 0125 64
LSV39 S066-5/8	6600	1.65	180	UNC 5/8"	28	1.6	96	26.2	11.6	13	3/8"	8423 0133 05
LSV39 S066-M14	6600	1.65	180	M14	28	1.6	96	26.2	11.6	13	3/8"	8423 0133 06
LSV39 S085-5/8	8500	1.80	180	UNC 5/8"	28	1.6	96	29.5	16.3	13	3/8"	8423 0133 03
LSV39 S085-M14	8500	1.80	180	M14	28	1.6	96	29.5	16.3	13	3/8"	8423 0133 04
LSV39 S120-5/8	12000	1.80	125	UNC 5/8"	28	1.6	96	29.8	17.6	13	3/8"	8423 0133 07
LSS53 S060	6000	1.2	180	UNC 5/8"	30	2.3	180	24.0	7.0	13	1/2"	8423 2530 23
LSS53 S060-M14	6000	1.2	180	M14	31	2.3	180	24.0	7.0	13	1/2"	8423 2530 27

Backing pad not included

Accessories

	LSV28	LSV38/39	LSS53	See illustraion
Backing set, standard type				
ø 125 mm - 5/8" - soft	4170 0768 80	4170 0768 80	4170 0768 80	1
ø 180 mm - 5/8" - soft	4170 0756 80	4170 0756 80	4170 0756 80	1
ø 180 mm - 5/8" - stiff	4170 0757 80	4170 0757 80	4170 0757 80	1
Backing set with cooling ribs				
ø 125 mm - 5/8" and M14, medium	4150 1962 80	4150 1962 80	4150 1962 80	2
ø 180 mm - 5/8" and M14, stiff	-	4150 1962 83	4150 1962 83	2
ø 180 mm - 5/8" and M14, medium	4150 1962 81	4150 1962 81	4150 1962 81	2
Backing set, heavy duty type				
ø 120 mm - M14	-	4175 0883 93	4175 0883 93	4
ø 162 mm - M14	-	4175 0883 91	4175 0883 91	4
ø 120 mm - 5/8"	-	4175 0883 92	4175 0883 92	4
ø 162 mm - 5/8"	-	4175 0883 90	4175 0883 90	4
Hand shield for 125-180 mm	-	4150 1936 80	-	3
Hand shield for 125-180 mm (robust)	-	4150 1941 80	-	-

Dust extraction, see next page



Productivity Kits

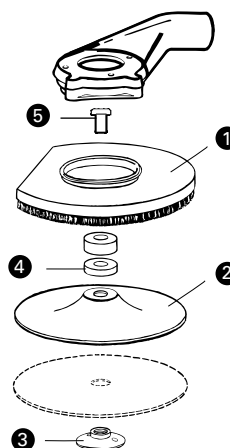
Model	Air inlet BSP	Economical air flow	Max hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	3/8"	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose	-	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
MIDI Optimizer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

Sanders

dust extraction
for fiber discs, dia. 125-180 mm

	LSV28	LSV38/39	LSS53	See illustration
Spot suction kits for sanding with fiber disc. Sanders with UNC 5/8" spindle				
LSV28 S040/S060 125 mm - kit	3780 4007 80	-	-	-
Suction cap 125 mm with brush (incl. in kit)	3780 2650 20	-	-	1
Backing pad 125 mm (incl. in kit)	3780 2710 30	-	-	2
Distance washer 12 mm (incl. in kit)	3780 2721 60	-	-	4
Nut 5/8" (incl. in kit)	3780 2722 00	-	-	3
LSV28 ST12-13 125 mm - kit	3780 4008 60	-	-	-
Suction cap 125 mm with brush (incl. in kit)	3780 2650 20	-	-	1
Backing pad 125 mm (incl. in kit)	3780 2710 30	-	-	2
Distance washer 9 mm (incl. in kit)	3780 2721 50	-	-	4
Adapter UNF 3/8" UNC 5/8" (incl. in kit)	4021 0457 00	-	-	5
Nut 5/8" (incl. in kit)	3780 2722 00	-	-	3
LSV28 S040/S060 180 mm - kit	3780 4007 90	-	-	-
Suction cap 180 mm with brush (incl. in kit)	3780 2675 00	-	-	1
Backing pad 180 mm (incl. in kit)	3780 2710 60	-	-	2
Distance washer 9 mm (incl. in kit)	3780 2721 50	-	-	4
Nut 5/8" (incl. in kit)	3780 2726 70	-	-	3
LSV28 S021 180 mm - kit	3780 4031 60	-	-	-
Suction cap 180 mm with brush (incl. in kit)	3780 2675 00	-	-	1
Backing pad (incl. in kit)	3780 2710 60	-	-	2
Distance washer 12 mm (incl. in kit)	3780 2721 60	-	-	4
Nut 5/8" (incl. in kit)	3780 2726 70	-	-	3
LSV38/39 180 mm - kit	-	3780 4008 84	-	-
Suction cap 180 mm with brush (incl. in kit)	-	3780 2675 00	-	1
Backing pad 180 mm (incl. in kit)	-	3780 2710 60	-	2
Nut 5/8" (incl. in kit)	-	3780 2726 70	-	3
Distance washer 9 mm (incl. in kit)	-	3780 2721 50	-	4
Adapter	-	4150 2266 90	-	-
LSV38/39 125 mm - kit	-	3780 4008 85	-	-
Suction cap 125 mm with brush (incl. in kit)	-	3780 2650 20	-	1
Backing pad 125 mm (incl. in kit)	-	3780 2710 30	-	2
Nut 5/8" (incl. in kit)	-	3780 2726 70	-	3
Distance washer 9 mm (incl. in kit)	-	3780 2721 50	-	4
Adapter	-	4150 2266 90	-	-
LSS53 S060 180 mm - kit	-	-	3780 4011 00	-
Suction cap 180 mm with brush	-	-	3780 2675 00	1
Backing pad 180 mm (incl. in kit)	-	-	3780 2710 60	2
Nut 5/8" (incl. in kit)	-	-	3780 2726 70	3
Distance washer 12 mm (incl. in kit)	-	-	3780 2721 60	4

	Ordering No.
Vacuum Hose, 1.8 m	
Ø 25 mm for 125 m³/h suction requirement	3780 2724 20
Ø 32 mm for 200 m³/h suction requirement	3780 2724 31
Ø 38 mm for 250 m³/h suction requirement	3780 2724 40
Brush for suction cap	
Separate brush for cap Ø 125 mm (20 mm high)	3780 2678 00
Separate brush for cap Ø 180 mm (20 mm high)	3780 2677 50
Separate brush for cap Ø 180 mm (30 mm high)	3780 2677 30



Sanders

for wet sanding



LSV28 ST008

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

LSV28 ST008 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 kW	Max pad dia mm	Weight kg	Spindle thread	Spindle length mm	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
LSV28 ST008-01 LF	800	0.68	200	2.0	UNC 5/8"	32	87	16	5.6	10	3/8"	8423 0125 51
LSV28 S040-01-M14	4000	0.62	180	1.5	M14	16	87	15	5.0	10	3/8"	8423 0125 12

Angle sanders

for fiber discs, 50–75 mm



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.



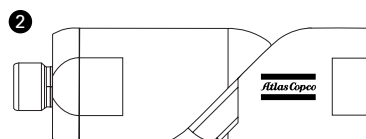
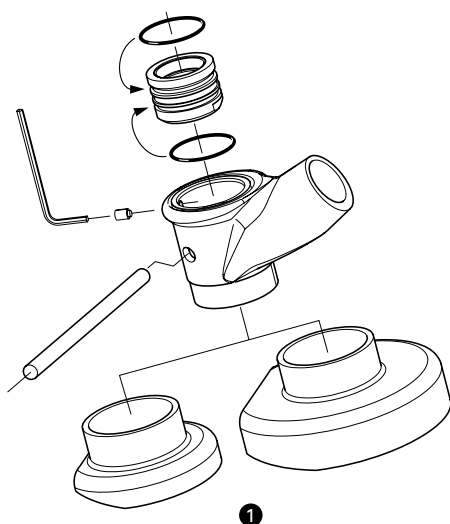
LSV12

Model	Max free speed r/min	Max output kW	Rec pad size dia mm	Collet size mm	Spindle thread	Spindle length mm	Length mm	Weight kg	Height over spindle mm	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
With collet														
LSV12 S120-1	12000	0.24	75	6	-	-	166	0.5	76	8.3	3.0	8	1/4"	8423 1124 05
LSV12 S200-1	20000	0.29	50	6	-	-	166	0.5	76	9.5	6.4	8	1/4"	8423 1124 06
LSV19 S080-1	8000	0.37	75	6	-	-	185	0.6	79	11.3	6.5	10	1/4"	8423 0111 46
LSV19 S120-1	12000	0.46	75	6	-	-	185	0.6	79	11.3	7.5	10	1/4"	8423 0111 43
LSV19 S200-1	20000	0.46	50	6	-	-	185	0.6	79	11.3	7.5	10	1/4"	8423 0111 41
With threaded spindle														
LSV12 S120	12000	0.24	75	-	UNC 1/4"	8	166	0.5	58	8.3	3.0	8	1/4"	8423 1124 07
LSV12 S200	20000	0.29	50	-	UNC 1/4"	8	166	0.5	58	8.3	3.0	8	1/4"	8423 1124 08
LSV19 S080	8000	0.37	75	-	UNC 1/4"	8	185	0.6	58	11.3	6.5	10	1/4"	8423 0111 45
LSV19 S120	12000	0.46	75	-	UNC 1/4"	8	185	0.6	58	11.3	7.5	10	1/4"	8423 0111 44
LSV19 S200	20000	0.46	50	-	UNC 1/4"	8	185	0.6	58	11.3	7.5	10	1/4"	8423 0111 42

Backing pad not included

Accessories

Model	LSV12	LSV19	See illustration
Collets			
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	-
Spot suction kit for fibre disc			
Ø 50-75 mm pad (for model with collet)	3780 4092 64	3780 4092 62	1
Ø 50-75 mm pad (for model with threaded spindle)	-	3780 4092 65	1
MultiFlex	8202 1350 20	8202 1350 20	2



**NEED BETTER
AIR FLOW?**

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

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

	Max free speed r/min	Max out- put W	Max pad size mm	Orbit dia mm	Weight kg	Height over spindle mm	Air con- sumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Handle		
Model										With	Without	Ordering No.
Random orbital - Standard												
LST30 H090-11	9000	300	110	8	1.2	120	7.5	8	1/4"	●	-	8423 0361 64
LST30 H090-15	9000	300	150	8	1.2	120	7.5	8	1/4"	●	-	8423 0361 72
LST30 S090-15	9000	300	150	8	1.1	120	7.5	8	1/4"	-	●	8423 0361 98
Self suction ^a												
LST31 H090-15	9000	300	150	8	1.4	120	7.5	8	1/4"	●	-	8423 0363 19
Central suction ^b												
LST32 H090-15	9000	300	150	8	1.4	120	7.5	8	1/4"	●	-	8423 0362 55
LST32 S090-15	9000	300	150	8	1.3	120	7.5	8	1/4"	-	●	8423 0362 71
Orbital - Standard												
LSO30 S070-3	7000	300	93x170	5	1.6	125	7.5	8	1/4"	-	●	8423 0360 16
LSO30 H070-3	7000	300	93x170	5	1.7	125	7.5	8	1/4"	●	-	8423 0360 24
Central suction ^c												
LSO32 H070-3	7000	300	93x170	5	1.8	125	7.5	8	1/4"	●	-	8423 0361 07
Standard model												
LST20 R350	12000	200	90	5	0.85	95	8	8	1/4"	-	●	8423 0361 65
LST20 R550	12000	200	125	5	0.85	83	8	8	1/4"	-	●	8423 0361 69
LST20 R650	12000	200	150	5	0.85	83	8	8	1/4"	-	●	8423 0361 73
LST20 R525	12000	200	125	2.4	0.85	83	8	8	1/4"	-	●	8423 0361 81
LST20 R625	12000	200	150	2.4	0.85	83	8	8	1/4"	-	●	8423 0361 84
Extraction model - Self suction												
LST21 R550 ^d	12000	200	125	5	0.85	83	8	8	1/4"	-	●	8423 0361 70
LST21 R650 ^d	12000	200	150	5	0.85	83	8	8	1/4"	-	●	8423 0361 74
Extraction model - Central suction												
LST22 R550 ^d	12000	200	125	5	0.85	83	8	8	1/4"	-	●	8423 0361 71
LST22 R650 ^d	12000	200	150	5	0.85	83	8	8	1/4"	-	●	8423 0361 75

^a Includes dust collecting bag.

^b Required air flow 150 m³/h or 88 cfm.

^c Required air flow 60 m³/h or 35 cfm.

^d 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 89 mm	Dia 125 mm	Dia 150 mm
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 89 mm	Dia 125 mm	Dia 150 mm
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 150 mm	4112 0795 02 ^a
Pad velcro, Ø 110 mm	4112 0792 02 ^b
Pad velcro, Ø 150 mm, 6 holes	4112 0796 01 ^c

^aLST30-15 ^bLST30 ^cLST31/32-150

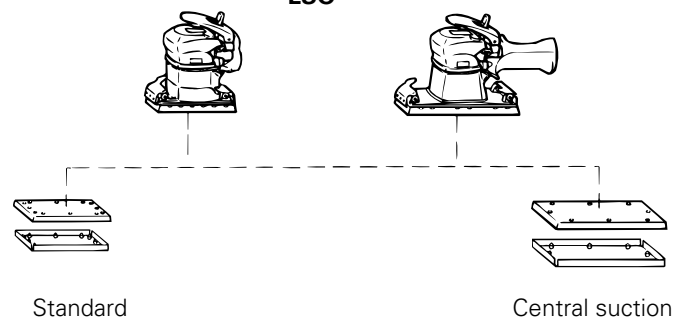
Dust extraction hose

	Ordering No.
Vacuum Hose, 1.8 m	
Ø 25 mm for 125 m³/h suction requirement	3780 2724 20
Ø 32 mm for 200 m³/h suction requirement	3780 2724 31
Ø 38 mm for 250 m³/h suction requirement	3780 2724 40

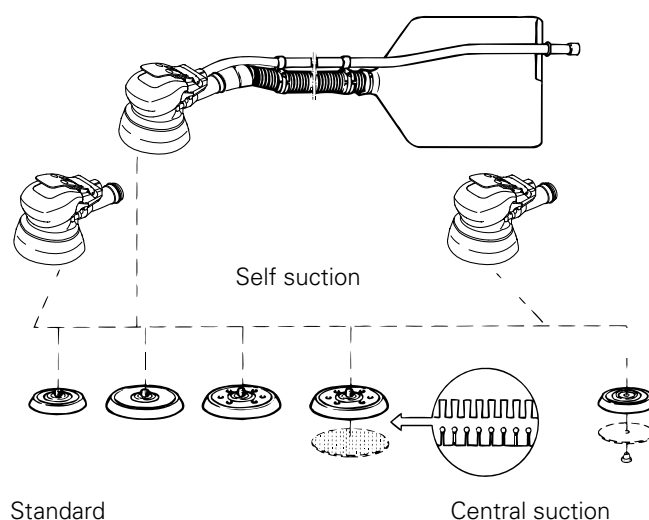
Productivity Kit

Model	Economical air flow	Hose 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W	21 l/s	Rubber 13 mm	ErgoQIC 10	Yes	8202 0850 15

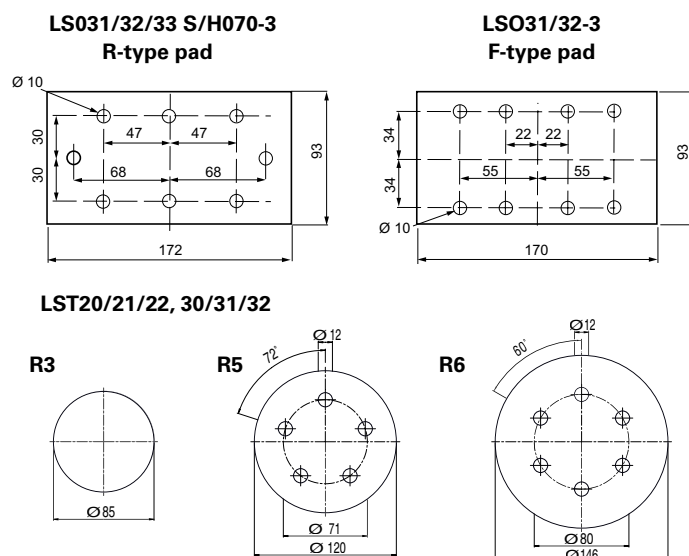
LSO



LST



Hole pattern dimensions for sanding paper, dust extraction models



Polishing



LSV28

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

We offer **LSV28** in various speeds to meet your specific needs.

Model	Max free speed r/min	Max output kW	Max pad dia mm	Spindle thread	Spindle length mm	Weight kg	Air consumption at max output l/s	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
LSV28 ST013	1300	0.68	180	UNC 5/8"	32	1.7	20	9.0	10	3/8"	8423 0126 26
LSV28 ST013-M14	1300	0.68	180	M14	32	1.7	20	9.0	10	3/8"	8423 0125 28
LSV28 S021	2100	0.68	180	UNC 5/8"	32	1.9	16	5.6	10	3/8"	8423 0125 19
LSV28 S021-M14	2100	0.68	180	M14	16	1.9	16	5.6	10	3/8"	8423 0125 72
LSV28 ST034	3400	0.71	180	UNC 5/8"	32	1.7	18	7.7	10	3/8"	8423 0135 80
LSV28 S040	4000	0.62	180	UNC 5/8"	32	1.5	15	4.0	10	3/8"	8423 0126 22

Accessories

Backing set for polishing	Ordering No.
Velcro pads	
150 mm 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 150 mm with Velcro fitting. Maximum speed 2 500 r/min.	4112 6093 15
150 mm 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
150 mm Velcro sponge head, maximum speed 2 500 r/min, Blue Softer sponge, more open cell, for polishing and compounding of cellulose, acrylics etc.	4112 6096 15
150 mm Velcro sponge head, maximum speed 2 500 r/min, Yellow coarse sponge, open cell, for aggressive compounding including oxidized paintwork.	4112 6099 15
Threaded pads	
150 mm white sponge head pad, thread UNC 5/8". Maximum speed 4 000 r/min.	4112 6100 15
150 mm blue sponge head pad, thread UNC 5/8". Maximum speed 4 000 r/min.	4112 6101 15
180 mm soft plastic UNC 5/8" and spanner. Maximum speed 8 000 r/min.	4170 0756 80



Productivity Kit

Model	Economical air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-R13-W	21 l/s	Rubber 13 mm	ErgoQIC 10	Yes	8202 0850 15

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



LCS38

Get a top quality result with Atlas Copco circular cutters. The **LCS10** cuts to a depth of 10 mm and the **LCS38** to 26 mm.

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

The **LCS38** is equipped with a dust extraction hood, just connect a suction hose.



LCS10

Model	Max free speed r/min	Max cutter wheel dia mm	Max cutting depth mm	Max output kW	Weight kg	Air consumption at free speed l/s	Rec hose size mm	Air inlet thread BSP	Dust extraction hood	Ordering No.
LCS10	3000	50	10	0.3	1.4	7.6	6.3	1/4"	-	8424 1161 38
LCS38 S150D	15000	100	26	1.3	1.7	28.0	13.0	3/8"	●*	8424 1125 06

* Suction requirement: 200 m³/h.

Accessories

Cutter blades

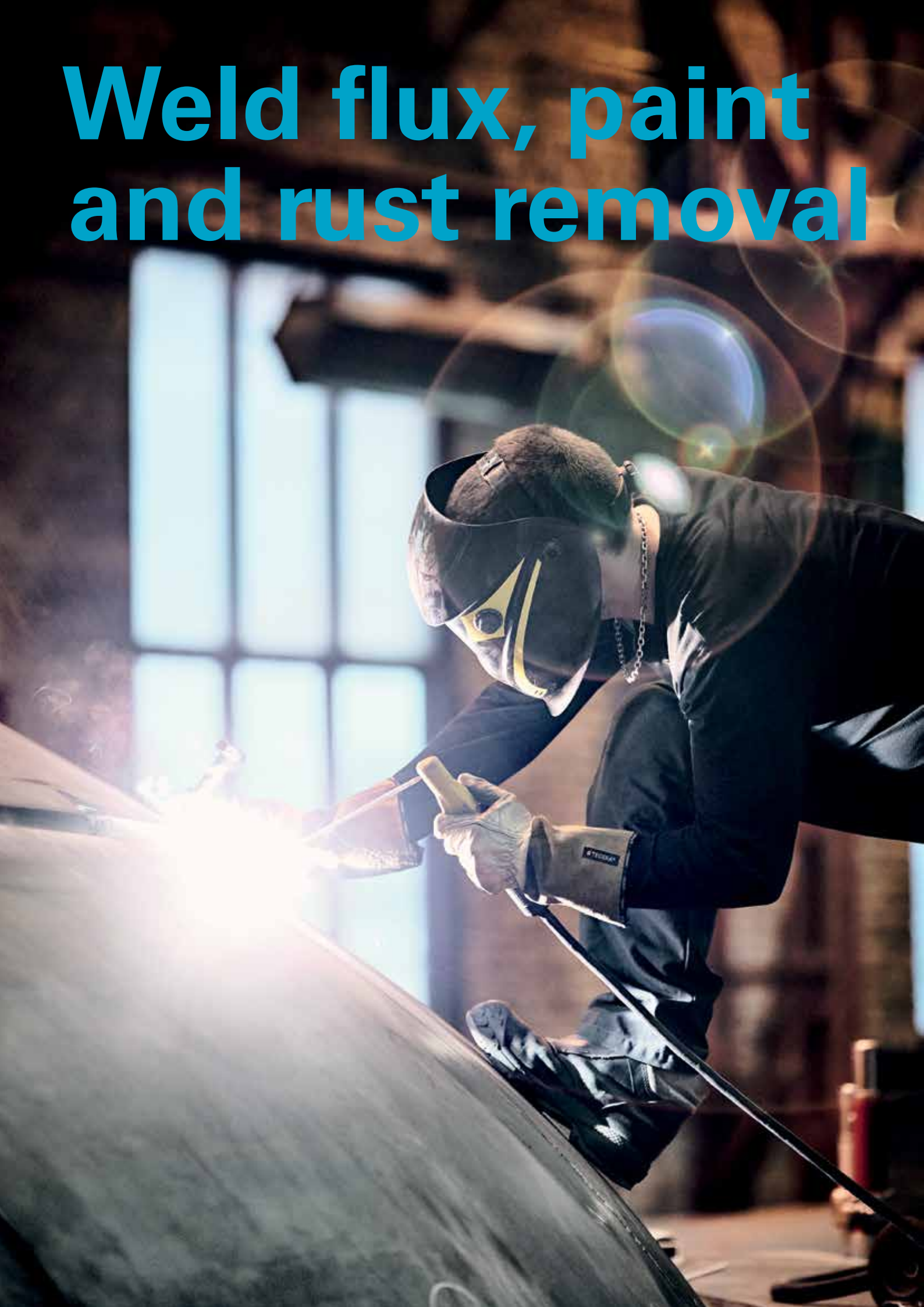
	Application	Max thickness of material mm	No. of teeth mm	Dia mm	Hole mm	Ordering No.
LCS10	Steel sheet	1.0	92	50	10	4190 0394 00
	Steel sheet (std)	1.0	62	50	10	4190 0395 00
	Aluminum	2.5	34	50	10	4190 0396 00
	Wood	10.0	34	50	10	4190 0396 00
LCS38	Diamond disc for fiber glass	18.0	44/60 (Grain)	75	12	3780 5073 00
	Diamond disc for fiber glass	25.0	44/60 (Grain)	100	12	3780 5074 00
LCS38	Suction hose set (L= 150 mm)	-	-	-	-	3780 2724 31

Productivity Kits

Model	Air inlet BSP	Economical air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
MIDI Optimizer F/RD EQ10-T13	3/8	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI Optimizer F/R EQ10-T13	1/2	21 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	1/2	21 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13

[illegible]

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	RVM 07B	•		•	
	RRC 13			•	
	RRC 13B		•	•	
	RRC 13N				•

Scalers



RRC13B



RVM07B



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.

RVM07B 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 mm	Energy per blow J	Length mm	Weight kg	Air consumption l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
RVM07B	100	-	-	273	1.7	3.8	6.3	1/4"	8425 0105 25
RRC13	73	35	1.4	221	1.4	4.0	10	3/8"	8425 0101 30
RRC13B	73	35	1.4	231	1.6	4.0	10	3/8"	8425 0101 33
RRC13N	73	35	1.4	352	1.9	4.0	10	3/8"	8425 0101 36
P2505	190	-	-	175	0.12	0.6	3.2	1/8"	8425 0102 72

Model	Max free speed r/min	Length mm	Weight kg	Air consumption l/s	Rec hose size mm	Air inlet thread BSP	Ordering No.
P2505	190	175	0.12	0.6	3.2	1/8"	8425 0102 72

Accessories

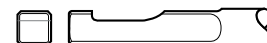
For RRC13, 13B, P2505

RRC13 / RRC13B	Ordering No.
RRC13 / RRC13B	
Hand guard	3510 0246 90
P2505	
Needle and small parts kit	4081 0068 90

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

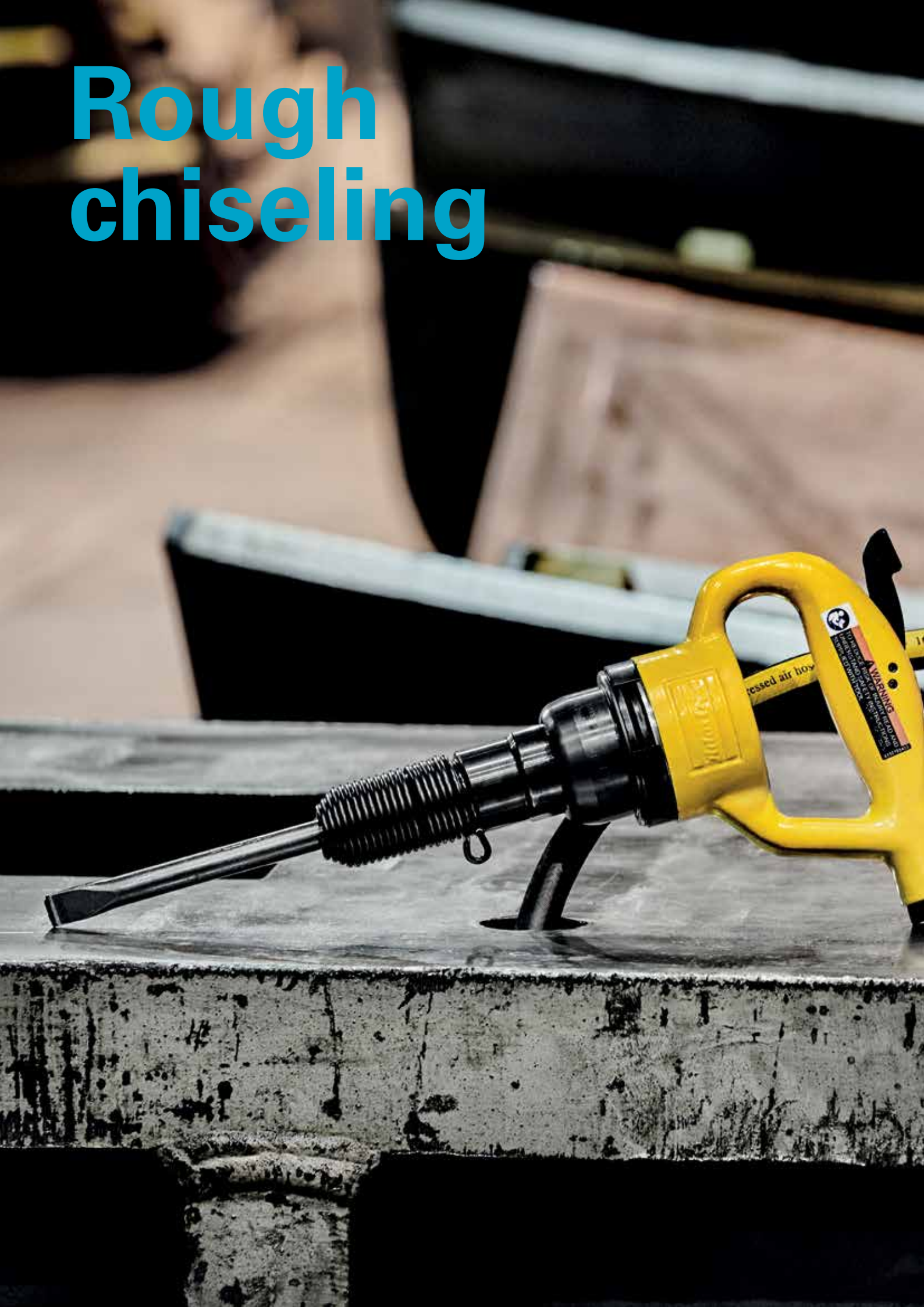
Chisels for RVM07B, special shank

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

Productivity Kits

Model	Economical air flow	Hose	Coupling	Lubrication	Ordering No.
For percussive tools with 3/8" BSP air inlet incl. whip hose					
MIDI Optimizer F/RD EQ10-R13-W	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
For percussive tools incl whip hose, no tool nipple included					
MIDI Optimizer F/RD EQ10-R13-W	21 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15

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	Pistol grip
Chipping hammers	RRF 21-01	•	•		•	
	RRF 31-01	•	•		•	
	RRD 37-11	•	•		•	
	RRD 57-01	•	•	•	•	
	RRD 57-12	•	•	•	•	
	RRC 22F-01				•	
	RRC 22F-02				•	
	RRC 34B-01				•	
	RRC 65B-01			•	•	
	RRC 75B-01			•	•	

Chipping

hammers



RRD57

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.



RRF21



RRC22F



RRC34B



RRC75B

Model	Blows Hz	Stroke mm	Energy per blow J	Length mm	Weight kg	Bush- ing mm	Air con- sump- tion l/s	Rec hose size mm	Air inlet thread BSP	Bushing type		Inte- grated hose barb	Vibra- tion damp- ed	Ordering No.
										Hex	Round			
RRF21-01	57	33	2.0	245	1.75	12.7	6.5	10.0	3/8"	•	-	-	•	8425 1104 05
RRF31-01	38	43	4.4	265	2.5	12.7	7.5	10.0	3/8"	•	-	-	•	8425 1104 15
RRF31-02	38	43	4.4	265	2.5	12.7	7.5	10.0	3/8"	-	•	-	•	8425 1104 16
RRD37-11	35	70	6.8	418	3.0	17.3	7.2	12.5	-	•	-	•	•	8425 1101 22
RRD57-11	31	92	9.3	458	3.4	17.3	9.5	12.5	-	•	-	•	•	8425 1103 20
RRD57-12	31	92	9.3	458	3.4	17.3	9.5	12.5	-	-	•	•	•	8425 1103 38
RRC22F-01	62	52	2.7	260	2.2	12.7	6.2	10.0	3/8"	•	-	-	-	8425 0202 22
RRC22F-02	62	52	2.7	260	2.2	12.7	6.2	10.0	3/8"	-	•	-	-	8425 0202 30
RRC34B-01	45	67	5.5	330	4.5	17.3	8.0	12.5	-	•	-	•	-	8425 0212 53
RRC65B-01	40	50	10.0	335	5.9	17.3	10.8	12.5	-	•	-	•	-	8425 0225 33
RRC75B-01	30	75	16.0	390	6.5	17.3	14.0	12.5	-	•	-	•	-	8425 0225 58

^a Effective piston dia 19 mm, 0.75 in.

^b Effective piston dia 21.5 mm, 0.85 in.

-01 and -11: Guided models,

-02 and -12: Non guided models.

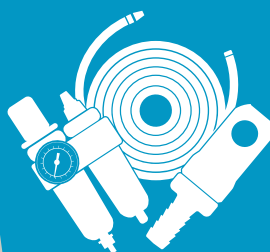
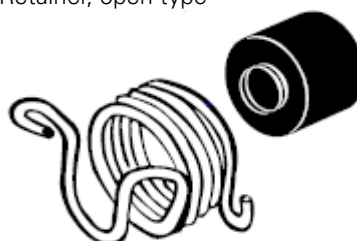
Accessories

Model	Ordering No.
Power regulator	
RRF21 and -31	3512 0273 80
Retainer, open type	
RRF21	3512 0290 90
RRF31	3512 0305 90
Retainer closed type	
RRF 21	3512 0289 90
RRF 31	3512 0304 90
Protective cover	
RRF21	3512 0349 81
RRF31	3512 0349 82

Protective cover



Retainer, open type



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
	Hexagon and round shank ISO, round collar 12.7 mm	RRC22F-01, RRC22F-02 RRF21, RRF31	1
	Hexagon shank ISO without round collar 17.3 mm	RRC34-01, RRC65-01, RRC75-01	2
	Round shank ISO, without collar 17.3 mm	RRC34-02, RRC65-02, RRC75-02	2
	Hexagon shank ISO round collar 17.3 mm	RRC34B-01, RRC65B-01, RRC75B-01	3
	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****A**

Hexagon ISO
12.7 mm (1/2")
Ordering No.

B

Round ISO
12.7 mm (1/2")
Ordering No.

Chisel type	Designation	Width		Length			
		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****A**

Hexagon
17.3 mm (0.68")
ISO
Ordering No.

B

Round
17.3 mm (0.68")
ISO
Ordering No.

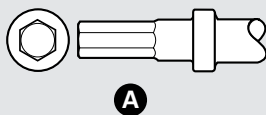
Chisel type	Designation	Width		Length			
		mm	in	mm	in		
	Chisel blank	23	0.91	200	7.9	3085 0150 00	
		23	0.91	560	22.0		3085 0140 01
	Flat chisel	23	0.91	225	8.9	3085 0225 00	3085 0224 00

Chisels

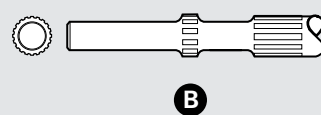
Table 3

A. Chisels with hexagon shank 17.3 mm

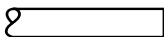
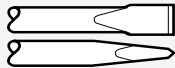
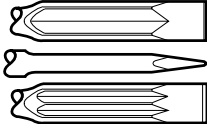
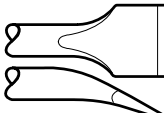
B. Chisels with round shank, with splines 17.3 mm

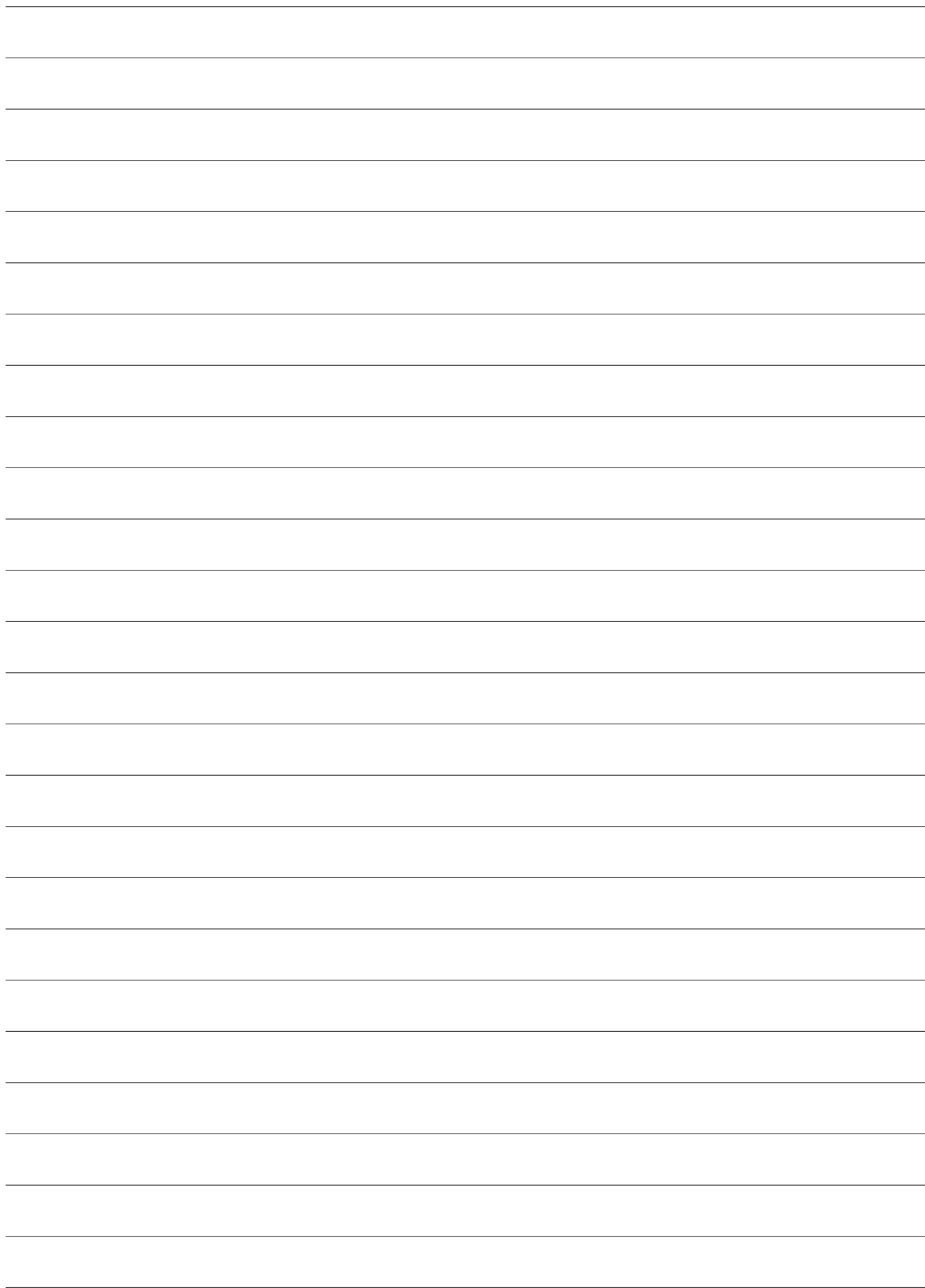


A



B

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
							22	0.86	800	31.5	3085 0242 03
							22	0.86	1200	47.2	3085 0242 04
	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	550	21.7	3085 0236 03
	Flat chisel	32	1.26	335	13.1	3085 0989 00	32	1.26	340	13.4	3085 0252 00
	Wide flat chisel Extra wide flat chisel	50	1.97	335	13.1	3085 0235 00	50	1.97	340	13.4	3085 0250 00
		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					



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 mm	Weight with chuck		Air consumption at free speed		Hose size		Air inlet thread	Power		Stall torque Nm	With chuck		Without chuck	
			kg	lb	l/s	cfm	mm	in		BSP	W		hp	Ordering No.	Model	Ordering No.
LBB16 EP-003 ^b	300	10	0.7	1.5	8.0	17.0	6.3	1/4	1/4	290	0.4	—	8421 0108 01	—	8421 0108 02	
LBB16 EP-005 ^b	500	10	0.7	1.5	8.0	17.0	6.3	1/4	1/4	290	0.4	21.6	8421 0108 06	—	8421 0108 07	
LBB16 EP-010	1000	10	0.7	1.5	8.0	17.0	6.3	1/4	1/4	290	0.4	7.8	8421 0108 10	—	8421 0108 11	
LBB16 EP-024 ^a	2400	6.5	0.6	1.2	8.0	17.0	6.3	1/4	1/4	290	0.4	4.2	8421 0108 20	—	8421 0108 21	
LBB16 EP-033 ^a	3300	6.5	0.6	1.2	8.0	17.0	6.3	1/4	1/4	290	0.4	3.4	8421 0108 30	—	8421 0108 31	
LBB16 EP-045 ^a	4500	6.5	0.6	1.2	8.0	17.0	6.3	1/4	1/4	290	0.4	2.0	8421 0108 40	—	8421 0108 41	
LBB16 EP-060 ^a	6000	6.5	0.6	1.2	8.0	17.0	6.3	1/4	1/4	290	0.4	1.7	8421 0108 50	—	8421 0108 51	
LBB16 EP-200 ^a	20000	6.5	0.6	1.2	8.0	17.0	6.3	1/4	1/4	290	0.4	0.5	8421 0108 60	—	—	
LBB16 EPX-005 ^b	500	13	0.7	1.5	9.5	20.0	6.3	1/4	1/4	340	0.45	25.2	8421 0108 08	—	8421 0108 09	
LBB16 EPX-010 ^b	1000	10	0.7	1.5	9.5	20	6.3	1/4	1/4	340	0.45	12.3	8421 0108 12	—	8421 0108 03	
LBB16 EPX-024 ^a	2400	6.5	0.6	1.2	9.5	20.0	6.3	1/4	1/4	340	0.45	4.9	8421 0108 22	—	8421 0108 23	
LBB16 EPX-033 ^a	3300	6.5	0.6	1.2	9.5	20.0	6.3	1/4	1/4	340	0.45	3.7	8421 0108 32	—	8421 0108 33	
LBB16 EPX-045 ^a	4500	6.5	0.6	1.2	9.5	20.0	6.3	1/4	1/4	340	0.45	3.0	8421 0108 42	—	8421 0108 43	
LBB16 EPX-060 ^a	6000	6.5	0.6	1.2	9.5	20.0	6.3	1/4	1/4	340	0.45	2.3	8421 0108 52	—	8421 0108 53	
LBB16 EPX-200 ^a	20000	6.5	0.6	1.2	9.5	20	6.3	1/4	1/4	340	0.45	0.6	8421 0108 82	—	8421 0108 63	
LBB26 EPX-003 ^b	300	13	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 ^b	500	13	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 ^b	700	13	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 ^{ab}	1300	10	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 ^a	1900	10	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 ^a	2600	8	0.79	1.7	14.5	31.8	10.0	3/8	1/4	500	0.7	7.7	8421 0500 08	026-U	8421 0500 09	
LBB26 EPX-033 ^a	3300	8	0.69	1.5	14.5	31.8	10.0	3/8	1/4	500	0.7	5.7	8421 0500 10	033-U	8421 0500 11	
LBB26 EPX-045 ^a	4500	8	0.69	1.5	14.5	31.8	10.0	3/8	1/4	500	0.7	4.1	8421 0500 12	045-U	8421 0500 13	
LBB26 EPX-060 ^a	6000	8	0.69	1.5	14.5	31.8	10.0	3/8	1/4	500	0.7	3.3	8421 0500 14	060-U	8421 0500 15	
LBB26 EPX-200 ^a	22000	6.5	0.69	1.5	14.5	31.8	10.0	3/8	1/4	500	0.7	0.8	8421 0500 28	200-U	8421 0500 29	
LBB36 H005 ^b	500	—	1.2	3.3	16.5	34.9	10	3/8	3/8	700	0.9	43.8	—	-H005U	8421 0408 03	
LBB36 H007 ^b	700	13	1.6	3.5	16.5	34.9	10	3/8	3/8	700	0.9	37.2	8421 0408 07	-H007U	8421 0408 05	
LBB36 H013 ^a	1300	10	1.5	3.3	16.5	34.9	10.0	3/8	3/8	700	0.9	19.5	8421 0408 15	-H013U	8421 0408 13	
LBB36 H026 ^a	2600	10	1.2	2.5	16.5	34.9	10.0	3/8	3/8	700	0.9	10.3	8421 0408 33	-H026U	8421 0408 31	
LBB36 H033 ^a	3300	10	1.2	2.5	16.5	34.9	10.0	3/8	3/8	700	0.9	8.6	8421 0408 41	-H033U	8421 0408 39	
LBB36 H060 ^a	6000	6.5	1.2	2.5	16.5	34.9	10.0	3/8	3/8	700	0.9	5.0	8421 0408 49	-H060U	8421 0408 47	
LBB36 H200 ^a	22000	6.5	1.0	2.2	16.5	34.9	10.0	3/8	3/8	700	0.9	1.3	8421 0408 55	-H200U	8421 0408 53	
LBB37 H006	600	13	1.2	2.5	20.5	44.0	10.0	3/8	3/8	820	1.1	48.0	8421 0608 06	-H006U	8421 0608 14	
LBB37 H015	1500	10	1.5	3.3	20.5	44.0	10.0	3/8	3/8	820	1.1	22.5	8421 0608 05	-H015U	8421 0608 15	
LBB37 H037	3700	10	1.2	2.5	20.5	44.0	10.0	3/8	3/8	820	1.1	9.2	8421 0608 13	-H037U	8421 0608 16	
LBB37 H065	6500	6.5	1.2	2.5	20.5	44.0	10.0	3/8	3/8	820	1.1	5.0	8421 0608 11	-H065U	8421 0608 17	
LBB37 H230	23000	6.5	1.0	2.2	20.5	44.0	10.0	3/8	3/8	820	1.1	1.3	8421 0608 03	-H230U	8421 0608 18	
LBB45 H004 ^b	400	16	4.3	9.3	10.0	21.0	10.0	3/8	1/4	700	0.9	—	8421 0501 16	—	—	
LBB45 H006 ^b	600	16	4.3	9.3	10.0	21.0	10.0	3/8	1/4	700	0.9	—	8421 0501 24	-H006U	8421 0501 40	
LBB45 H017 ^b	1700	16	4.2	9.3	10.0	21.0	10.0	3/8	1/4	700	0.9	—	8421 0501 32	—	—	

^a Including chuck guard.
^b Including support handle.
^c Add "-U" to Model name

Accessories

Key chucks

Mount	Check clik mm	Chuck capacity mm	Ordering No.		
			Chuck (key incl)	Key only	Key designation
1/2-20UNF	4	2.0-13.0	4021 0289 01	4021 0465 00	S2
3/8-24UNF	30	0.0- 6.5	4021 0283 00	4021 0293 00	S1
3/8-24UNF	30	0.5- 8.0	4021 0495 00	4021 0293 00	S1
3/8-24UNF	36	2.0-10.0	4021 0416 00	4021 0449 00	S8
3/8-24UNF	46	2.0-13.0	4021 0289 00	4021 0465 00	S2
JT3	59	3.0-16.0	4021 0423 00	4021 0301 00	S3



Key chuck

Quick chucks

Mount	Chuck dia mm	Chuck capacity mm	Ordering No.
UNF 3/8"-24	34	0.0- 6.5	4021 0400 00
UNF 3/8"-24	34	0.0- 8.0	4021 0401 00
UNF 3/8"-24	36	0.0-10.0	4021 0402 00
UNF 3/8"-24	36	2.0-13.0	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 ^a	36	4110 1415 00
LBB37 ^a	36	4110 1415 00

^a 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 5 m	Coupling	Lubrication	Ordering No.
For drills with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 00
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	No	8202 0850 01
For drills with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 07
For drills with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 02
For drills with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13-1/4	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 11

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 mm	Weight		Hose dimension		Air inlet thread BSP	Air consumption		With chuck Ordering No.
	Forward r/min	Reverse r/min		kg	lb	mm	in		l/s	cfm	
Pistol-grip tappers with air supply through handle											
LGB34 H007	700	1400	10	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 66
LGB34 H007Q ^a	700	1400	10	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 76
LGB36 H007Q ^a	700	1400	12	2.0	4.4	10.0	3/8	3/8	16.5	34.9	8421 0411 00
Straight tappers											
LGB34 S007	700	1400	10	1.8	4.0	10.0	3/8	1/4	7.5	15.9	8421 0311 72

^a 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

[illegible]

Product

safety

This is your responsibility

Always read and understand the safety information supplied with the tool and on 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.

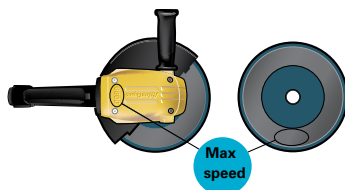


Check that the trigger is working correctly.

- 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.

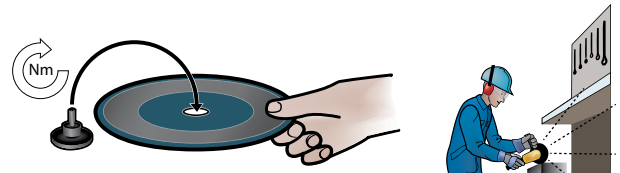
- The grinding wheel should have the correct hole dimensions and be fitted correctly on the spindle to avoid unbalanced vibrations.
- Damaged grinding wheels must be removed and replaced immediately.
- Do not use dropped or damaged wheels, as these can cause serious injuries.



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).



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.



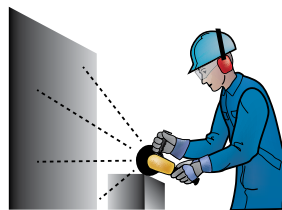
Maintenance

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.

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.



Grinding wheel dia mm	Peripheral speed in meters per second														
	10	15	20	25	28	30	33	35	40	45	48	50	60	72	80
25	7640	11460	15280	19100	21390	22920	25210	26740	30560	34380	36670	38200	45840	55030	61120
40	4770	7160	9550	11930	13370	14320	15750	16710	19100	21480	22920	23870	28650	34390	38200
50	3820	5730	7640	9550	10690	11460	12600	13370	15280	17190	18330	19100	22920	27520	30560
63	3303	4540	6060	7560	8480	9090	10000	10610	12120	13640	14550	15150	18190	21840	24250
80	2380	3580	4770	5960	6680	7160	7870	8350	9550	10740	11460	11930	14320	17200	19100
100	1910	2860	3820	4770	5340	5730	6300	6680	7640	8590	9160	9550	11460	13760	15280
115	1660	2490	3320	4150	4650	4980	5480	5810	6640	7470	7970	8300	9960	11960	13400
125	1520	2290	3050	3820	4270	4580	5040	5340	6110	6870	7330	7640	9160	11000	12280
150	1270	1910	2540	3180	3560	3820	4200	4450	5090	5730	6110	6360	7640	9170	10180
180	1060	1590	2120	2650	2970	3180	3500	3710	4240	4770	5090	5300	6360	7640	8480
200	950	1430	1910	2380	2670	2860	3150	3340	3820	4290	4580	4770	5730	6880	7640
230	830	1240	1660	2070	2320	2490	2740	2900	3320	3730	3980	4150	4980	5980	6640
250	760	1140	1520	1910	2130	2290	2520	2670	3050	3430	3660	3820	4580	5500	6110
300	630	950	1270	1590	1780	1910	2100	2220	2540	2860	3050	3180	3820	4590	5090

Fastening tools

CONTENT

Impact wrenches	76
The mechanical wrenches	80
High torque nutrunners	82
Hydraulic torque wrenches	90
Bolt tensioning system	92



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 mm	Square drive size in	Torque range Nm	Max torque Nm	Free speed r/min	Weight kg	Length excl anvil mm	Air consumption l/s	Rec. hose size mm	Air inlet thread BSP	Retainer			Ordering No.
											Pin	Ring	Through hole	
LMS08 HR10	M6-8	3/8"	7-45	65	14000	0.90	185	2.5	6.3	1/4"	•	-	-	8434 1080 00
LMS08 HR42	M6-8	1/4" ^a	7-35	60	14000	0.9	186	2.5	6.3	1/4"	-	-	-	8434 1080 05
LMS18 HR13	M10	1/2"	10-110	150	8100	1.45	144	8.5	10	1/4"	•	-	-	8434 1180 00
LMS18 HR10	M10	3/8"	10-90	120	8100	1.45	148	6.5	10	1/4"	•	-	-	8434 1180 01
LMS18 HR13/F	M10	1/2"	10-110	150	8100	1.45	144	8.5	10	1/4"	-	•	-	8434 1180 02
LMS18 HR10/F	M10	3/8"	10-90	120	8100	1.45	148	6.5	10	1/4"	-	•	-	8434 1180 03
LMS28 HR13	M12	1/2"	30-210	390	9500	1.85	146	8.5	10	3/8"	•	-	-	8434 1280 00
LMS28 HR13/F	M12	1/2"	30-210	390	9500	1.85	146	8.5	10	3/8"	-	•	-	8434 1280 01
LMS38 HR13	M14-16	1/2"	40-375	850	8000	2.6	167	10	10	3/8"	•	-	-	8434 1380 00
LMS38 HR13/F	M14-16	1/2"	40-375	850	8000	2.6	167	10	10	3/8"	-	•	-	8434 1380 01
LMS48 HR20	M16-18	3/4"	100-550	1375	6500	3.3	173	12	12.5	3/8"	-	-	•	8434 1480 00
LMS58 HR25	M20-22	1"	300-800	1900	5500	4.8	210	14.5	12.5	3/8"	-	-	•	8434 1580 00
LMS58 HR20	M18-20	3/4"	300-800	1900	5500	4.8	210	14.5	12.5	3/8"	-	-	•	8434 1580 01
LMS68 HR25	M22-30	1"	600-1800	4450	5000	9.8	252	28	16	1/2"	-	-	•	8434 1680 01

^a Female hex quick change chuck

Torque measured from Skidmore with fixed sensors



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 mm	Square drive size in	Torque range Nm	Max torque Nm	Free speed r/min	Weight kg	Length excl anvil mm	Air consumption l/s	Rec. hose size mm	Air inlet thread BSP	Retainer			Ordering No.
											Pin	Ring	Through hole	
LMS08 SR42	M22-30	1/4" ^a	7-35	60	12500	0.85	185	5,5	6.3	1/4"	-	-	-	8434 1081 06
LMS08 SR10	M22-30	3/8"	7-45	65	12500	0.85	184	5,5	6.3	1/4"	•	-	-	8434 1081 11
LMS68 GIR25	M22-30	1"	600-1800	4450	5000	9.6	339	28	16	1/2"	-	-	•	8434 1680 00
LMS68 GOR25	M22-30	1"	600-1800	4450	5000	9.6	339	28	16	1/2"	-	-	•	8434 1680 02
LMS88 GIR38	M30-42	1 1/2"	1000-5500	10000	3800	15.0	381	33	16	1/2"	-	-	•	8434 1880 00
LMS88 GOR38	M30-42	1 1/2"	1000-5500	10000	3800	15.0	381	33	16	1/2"	-	-	•	8434 1880 01

^a 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

NEED BETTER AIR FLOW?

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

The mechanical wrench series





CWR



BWR



SWR

THE MECHANICAL WRENCHES in the Atlas Copco Saltus product line form the basis for manual tightening. They enable you to find the optimal solution for your individual tightening situation regardless whether you are working in assembly lines, rework or repair and maintenance, and even when limited operating space is available.

The wrenches are also the perfect backup strategy for your controlled assembly technology. With regard to workplace equipment and costs, manual tightening wrenches are often more efficient and increase your productivity.

The easy handling has earned wide acceptance among operators. Our different wrench types offer the right strategy for nearly any application. You will find more details on this product range and the relevant end fittings in the Atlas Copco leaflet PMI 9833 2019 01 or under www.atlascopco.com

The mechanical wrench series

CWR – 'Click' wrench series

Type	Torque Nm	Range ft.lb	Length mm	Weight g	Ø mm	Drive	Ordering No.
CWR-20	03-20	2.2-14.8	129	248	21	9x12	8439 0041 00
CWR-25	02-25	1.5-18.4	174	288	21	9x12	8439 0041 01
CWR-50	05-50	3.7-37	236	466	21	9x12	8439 0041 02
CWR-85	15-85	11-62.7	305	576	21	9x12	8439 0041 03
CWR-120	50-120	37-88.5	349	666	24	9x12	8439 0041 04
CWR-200	50-200	37-148	419	916	30x26	14x18	8439 0041 05
CWR-300	60-300	44.2-221	685	1366	32x28	14x18	8439 0041 06

BWR – 'Breaking' wrench series

Type	Torque Nm	Range ft.lb	Length mm	Weight g	Ø mm	Drive	Ordering No.
BWR-20	02-20	1.5-14.8	213	250	8x16	BWR-20/35	8439 0042 00
BWR-35	05-35	3.7-25.8	288	550	8x16	BWR-20/35	8439 0042 01
BWR-100	20-100	14.8-74	410	950	10x20	BWR-100	8439 0042 02
BWR-240	80-240	59-177	677	2700	14x30	BWR-240	8439 0042 03
BWR-440	140-440	103.0-324.5	857	4300	16x34	BWR-440	8439 0042 04
BWR-750	300-750	221-553	961	6400	20x41	BWR-750	8439 0042 05
BWR-1300	500-1300	369-959	1256	8140	21x45	BWR-1300	8439 0042 06
BWR-2000	800-2000	590-1475	1982	13450	21x45	BWR-2000	8439 0042 07

SWR - 'Slipping' wrench series

Type	Torque Nm	Range ft.lb	Length mm	Weight g	Drive	Ordering No.
SWR-30	05-30	3.7-22	269	640	3/8"	8439 0043 00
SWR-60	15-60	11-44	354	1050	3/8"	8439 0043 01
SWR-110	40-110	29.5-96	453	1900	1/2"	8439 0043 02

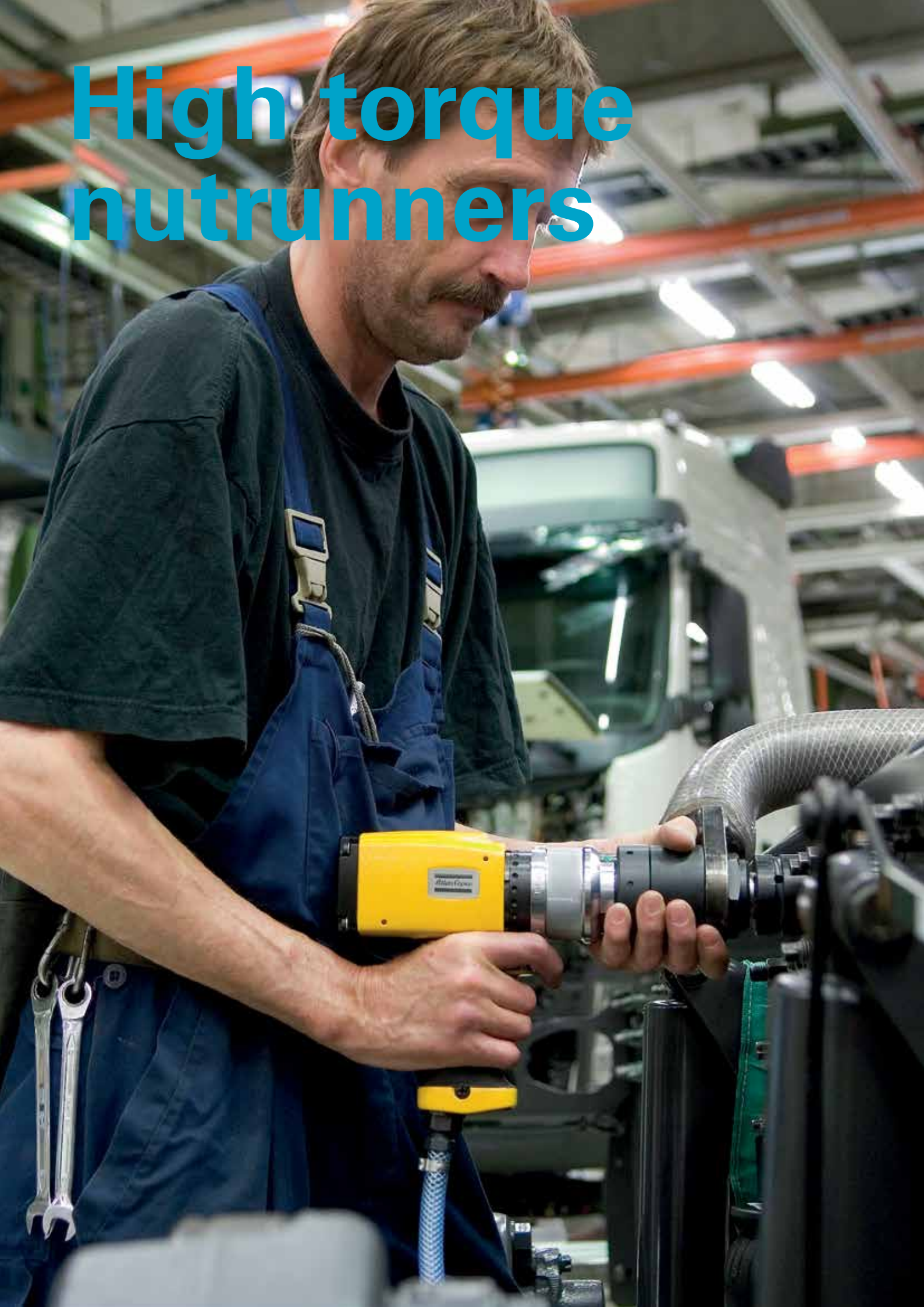
Standard end fitting tools without TAG

Type	Hex	B	H	L	g	Ordering No.
	in	mm	mm	mm		
Reversible ratchet 9 x 12	1/4	22	14.5	17.5	62	8059 0975 42
	3/8	33	24	17.5	136	8059 0975 43
	1/2	33	28.3	17.5	147	8059 0975 44
Reversible ratchet 14 x 18	1/2	43	26.2	25	302	8059 0976 32*
	3/4	50	30.7	25	467	8059 0976 33
Reversible ratchet 21 x 26	3/4	69	30	62.5	1350	8059 0976 38

* The maximum torque which can be applied with 8059 0976 32 is 300 Nm.



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 mm	Square drive in	Max torque at 6.3 bar Nm	Min torque at 3 bar Nm	Free speed r/min	Weight ^a kg	Length mm	Air consumption at free speed l/s	Recommended hose size mm	Air inlet thread BSP	Spline type	Ordering No.
Non-reversible												
LMP24 H005-10	M8	3/8"	30	14	500	1.0	210	11	10	1/4"	1	8431 0245 49
LMP24 H003-13	M8	1/2"	40	14	330	1.2	210	11	10	1/4"	1	8431 0245 64
LMP24 H002-13	M10	1/2"	58	27	240	1.3	230	11	10	1/4"	2	8431 0245 31
LMP61 H230-19	M16	3/4"	230	130	1000	3.0	223	20	13	3/8"	3	8431 0803 19
LMP61 H350-20	M18	3/4"	350	200	650	3.9	260	20	13	3/8"	4	8431 0803 26
LMP61 H500-20	M20	3/4"	500	300	450	3.9	260	20	13	3/8"	4	8431 0803 33
LMP61 H900-25	M24	1"	900	500	260	4.5	282	20	13	3/8"	5	8431 0803 47
Reversible												
LMP24 HR003-13	M8	1/2"	30	14	250	1.2	210	11	10	1/4"	1	8431 0245 91
LMP24 HR002-13	M10	1/2"	40	20	180	1.3	230	11	10	1/4"	2	8431 0245 70
LMP61 HR170-13	M14	1/2"	170	100	1400	3.0	238	20	13	3/8"	3	8431 0804 11
LMP61 HR230-19	M16	3/4"	230	130	1000	3.0	275	20	13	3/8"	3	8431 0804 18
LMP61 HR350-20	M18	3/4"	350	200	650	3.9	275	20	13	3/8"	4	8431 0804 25
LMP61 HR500-20	M20	3/4"	500	300	450	3.9	320	21	13	3/8"	4	8431 0804 32
LMP61 HR700-25	M22	1"	700	400	350	4.5	305	20	13	3/8"	5	8431 0804 39
LMP61 HR900-25	M24	1"	900	500	260	4.5	305	20	13	3/8"	5	8431 0804 46
LMP61 HR1500-25	M30	1"	1600	900	140	6.8	345	20	13	3/8"	9	8431 0804 53

^a Weight excluding reaction bar.

Accessories Included

For LMP24	For LMP61/LTP61	For LTP61 HR1900/2800/3800
Suspension yoke	Suspension yoke	Suspension yoke
Reaction bar	Protective cover	Protective cover
		Reaction bar



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 mm	Square drive in	Max torque range at 6.3 bar Nm	Min torque at 3 bar Nm	Free speed r/min	Weight* kg	Length mm	Air consumption at free speed l/s	Recommended hose size mm	Air inlet thread BSP	Spline type	Ordering No.
Non reversible												
LTP61 H100-13	M12	1/2"	55-100	45	1800	3.0	223	20	13	3/8"	3	8431 0800 07
LTP61 H170-13	M14	1/2"	95-170	70	1100	3.0	223	20	13	3/8"	3	8431 0800 14
LTP61 H230-19	M16	3/4"	125-230	85	820	3.0	223	20	13	3/8"	3	8431 0800 21
LTP61 H350-20	M18	3/4"	190-350	145	520	3.9	260	20	13	3/8"	4	8431 0800 28
LTP61 H500-20	M20	3/4"	275-500	220	360	3.9	260	20	13	3/8"	4	8431 0800 35
LTP61 H700-25	M22	1"	360-650	280	280	4.5	305	20	13	3/8"	5	8431 0800 42
LTP61 H900-25	M24	1"	480-870	300	210	4.5	282	20	13	3/8"	5	8431 0800 49
LTP61 H1500-25	M30	1"	850-1500	700	115	6.8	323	20	13	3/8"	9	8431 0800 56
Reversible												
LTP61 HR100-13	M12	1/2"	55-100	45	1800	3.0	235	20	13	3/8"	3	8431 0801 08
LTP61 HR170-13	M14	1/2"	95-170	70	1100	3.0	238	20	13	3/8"	3	8431 0801 15
LTP61 HR230-19	M16	3/4"	125-230	85	820	3.0	275	20	13	3/8"	3	8431 0801 22
LTP61 HR350-20	M18	3/4"	190-350	145	520	3.9	275	20	13	3/8"	4	8431 0801 29
LTP61 HR500-20	M20	3/4"	275-500	220	360	3.9	275	20	13	3/8"	4	8431 0801 36
LTP61 HR700-25	M22	1"	360-650	280	280	4.5	305	20	13	3/8"	5	8431 0801 43
LTP61 HR900-25	M24	1"	480-870	300	210	4.5	305	20	13	3/8"	5	8431 0801 50
LTP61 HR1500-25	M30	1"	850-1500	700	115	6.8	345	20	13	3/8"	9	8431 0801 57
LTP61 HR1900-38	M30	1 1/2"	1050-1900	800	90	14.1	380	20	13	3/8"	8	8431 0801 64
LTP61 HR2800-38	M36	1 1/2"	1550-2800	1200	65	14.1	380	20	13	3/8"	8	8431 0801 71
LTP61 HR3800-38	M42	1 1/2"	2100-3800	1600	50	14.1	380	20	13	3/8"	8	8431 0801 78
Prevailing applications												
Non reversible												
LTP61X PH100-13	M12	1/2"	60-110	45	700	3.0	223	20	13	3/8"	3	8431 0908 05
LTP61X PH170-13	M14	1/2"	100-180	70	440	3.0	223	20	13	3/8"	3	8431 0908 13
LTP61X PH230-19	M16	3/4"	130-240	90	320	3.0	223	20	13	3/8"	3	8431 0908 18
LTP61X PH350-20	M18	3/4"	210-370	150	200	3.9	260	20	13	3/8"	4	8431 0908 25
LTP61X PH500-20	M20	3/4"	300-520	200	140	3.9	260	20	13	3/8"	4	8431 0908 32
LTP61X PH700-25	M22	1"	400-680	280	100	4.5	305	20	13	3/8"	5	8431 0908 39
LTP61X PH900-25	M24	1"	500-900	350	80	4.5	282	20	13	3/8"	5	8431 0908 42
LTP61X PH1500-25	M30	1"	900-1600	650	45	6.8	323	20	13	3/8"	9	8431 0908 53
Prevailing applications - reversible												
LTP61X PHR700-25	M22	1"	400-680	280	100	4.5	305	20	13	3/8"	5	8431 0908 58
LTP61X PHR900-25	M24	1"	500-900	350	80	4.5	305	20	13	3/8"	5	8431 0908 62
LTP61X PHR1500-25	M30	1"	900-1600	650	45	6.8	345	20	13	3/8"	9	8431 0908 69
Multi torque selector												
LTP61 HR500-20-MT	M20	3/4"	275-500	220	360	4.2	325	20	13	3/8"	4	8431 0806 30
LTP61 HR700-25-MT	M22	1"	360-650	280	280	4.8	355	20	13	3/8"	5	8431 0806 33
LTP61 HR900-25-MT	M24	1"	480-870	300	210	4.8	355	20	13	3/8"	5	8431 0806 37
LTP61 HR1500-25-MT	M30	1"	850-1500	700	115	7.1	395	20	13	3/8"	9	8431 0806 44

* Weight excluding reaction bar.

Recommended hose size 13 mm for hose length up to 5 m and 16 mm hose size for length 5-10 m.

NOTE: 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.
For small nutrunners with 3/8" BSP air inlet						
MIDI Optimizer F/RD EQ08-C10	13 l/s	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 07
For small nutrunners with 1/4" BSP air inlet						
MIDI Optimizer F/RD EQ08-C10	13 l/s	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 03
MIDI Optimizer F/RD EQ10-R10	13 l/s	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 16
For nutrunners with 3/8" BSP air inlet						
MIDI Optimizer F/RD EQ10-C13	21 l/s	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 02
For nutrunners with 1/4" BSP air inlet						
MIDI Optimizer F/RD EQ10-C13-1/4	27 l/s	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 11
For nutrunners with 3/8" BSP air inlet						
MIDI Optimizer F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
For nutrunners with 1/2" BSP air inlet						
MIDI Optimizer F/R EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13

Accessories

For LMP24

Model	Ordering No.
Hose nipple	9000 0247 00
Swivel attachment	4210 2249 80
Exhaust hose	4210 2053 00
Support handle	4110 1355 82
(for H/HR002 only)	
Spindle extension	
115 mm x 1/2"	4210 2154 80
(for H/HR002 only)	
50 mm x 3/8"	4210 2158 80
(for H/HR011/005 only)	
1/4" hex bit holder	4021 0443 00
(for H/HR011/005 only)	
1/2" square adapter	4210 2157 80
(for H/HR011/005 only)	

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.
Mounting dia Ø 54 mm	
PH/H 100-13	4210 3088 80
PH/H 170-13	
PH/H 230-19	
PH/H 350-20	
PH/H 500-20	
PH/H 700-25	
PH/H 900-25	
Mounting dia Ø 60 mm	
HR 100-13	4210 3088 84
HR 170-13	
HR 230-19	
Mounting dia Ø 63.5 mm	
H 1900-38	4210 3088 83
H 2800-38	
H 3800-38	
Mounting dia Ø 67 mm	
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	
Mounting dia Ø 83.5	
PH/H 1500-25	4210 3088 81
PHR/HR 1500-25	

Reaction bars LMP/LTP61

Spline dia mm	Square drive size mm/in	CC distance mm	Ordering No.
Steel bar			
Spline 1	268/36/18		4210 1798 01
Spline 2	270/35/10		4220 1903 00
Spline 3	400/56/12		4210 2219 80
Spline 4	500/62/15		4210 2183 80
Spline 5	500/62/15		4210 2726 80
Spline 6	560/80/15		4220 1200 01
Spline 8	500/150/20		4210 3899 03
Spline 9	500/85/20		4210 3899 80
Square steel bracket			
Spline 3	100/50/12		4210 2219 03
Spline 4	125/65/16		4210 2183 01
Spline 5	125/65/16		4210 2726 01
Spline 6	200/100/15		4220 1200 00
Spline 7	250/150/20		4220 1445 00
Spline 8	250/160/20		4220 1972 91
Spline 9	150/85/20		4210 3899 01
Triangular steel bracket			
Spline 2	73/72/14		4220 2137 02
Spline 3	82/80/15		4220 2137 03
Spline 6	112/109/15		4220 2137 06
Spline 6	150/145/20		4220 2137 16
Sliding drive reaction bar			
Spline 3	1/2	70-120	4210 4481 83
Spline 3	3/4	70-120	4210 4481 63
Spline 3	1/2	82-218	4210 4616 83
Spline 3	3/4	82-218	4210 4616 63
Spline 4	3/4	76-126	4210 4481 84
Spline 4	3/4	82-218	4210 4616 84
Spline 5	1	80-125	4210 4481 85
Spline 5	1	82-218	4210 4616 85
Spline 9	1	80-130	4210 4481 89
Spline 9	1	80-280	4210 4616 89
S-Type reaction bar			
Spline 3	110/18/12		4210 4480 03
Spline 4	120/22/15		4210 4480 04
Spline 5	130/25/15		4210 4480 05
Spline 6	125/25/15		4210 4480 06
Spline 8	200/65/20		4210 4480 08
Spline 9	160/40/20		4210 4480 09
L-Type aluminum bar			
Spline 3	266x300/29/15		4210 2219 08
Spline 4	144x150/42/15		4210 2183 08
Straight aluminum bar			
Spline 3	L = 400		4210 2219 01
Extended sliding drive reaction bar			
Spline 5	1	68-112	4210 4498 80
Extended sliding tube reaction bar			
Spline 5	1	68-112	4210 4498 82
Bracket stepped			
Spline 1	70/36/13		4210 1798 02
Spline 2	70/41/14		4210 2134 02

Service Kits

Model	Trigger kit	General service kit
LMP24	4210 1934 91	4081 0105 90
LMP/LTP61	4210 2190 91	4081 0397 90

RTP

pneumatic nutrunners



RTP1300

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.



RTP8100

RTP nutrunner Kit

Model	Bolt size mm	Square drive in	Min torque at 1.5 bar Nm	Max torque at 6.3 bar Nm	Free speed r/min	Weight ^a kg	Length mm	CS distance mm	Air consumption at free speed l/s	Rec. hose size mm	Air inlet thread in	Ordering No.
RTP1300-HR20	20-27	3/4	320	1300	20	3.7	248	32	23	13	3/8	8431 1013 10
RTP2600-HR25	20-36	1	700	2600	10	5	300	34	23	13	3/8	8431 1026 10
RTP4100-HR25	30-45	1	1000	4100	10	8.7	335	41	31	13	3/8	8431 1040 10
RTP8100-GIR38	33-52	1 1/2	2200	8100	10	13.5	444	51	50	13	1/2	8431 1081 10

^aWeight excluding reaction bar.

Accessories Included

Model	Description	Ordering No.
RTP1300	Reaction bar, S-type	4210 4480 90
RTP2600	Reaction bar, S-type	4210 4480 94
RTP4100	Reaction bar, S-type	4210 4480 93
RTP8100	Reaction bar, S-type	4210 4480 92
RTP1300 / 2600 / 4100	Hose kit, Turbo 13 M10, BSP	8202 1182 07
RTP8100	Hose kit, Turbo 13 M15, BSP	8202 1181 81
RTP1300 / 2600 / 4100	Productivity kit FRL stand, BSP ^b	9090 3030 06
RTP8100	Productivity kit FRL stand, BSP ^b	9090 3030 04

^b Hose not included

Optional Accessories

Model	Description	Ordering No.
RTP1300 / 2600 / 4100	Dual trigger, BSP	4210 4780 84
RTP1300 / 2600 / 4100	MultiFlex swivel 3/8 BSP	8202 1350 22
RTP8100	MultiFlex swivel 1/2 BSP	8202 1350 24
RTP1300 / 2600 / 4100	Trigger guard	4210 4759 90
RTP1300	Suspension yoke	4210 3088 83
RTP2600	Suspension yoke	4210 3088 82
RTP4100	Suspension yoke	4210 3088 81
RTP8100	Suspension yoke	4210 4780 90

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
RTP4100	Reaction bar, sliding-drive	4210 4752 91
RTP4100	Reaction bar, steel bar	4210 4757 91
RTP4100	Reaction bar, square bracket	4210 4758 91
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
RTP4100	Small parts kit	4082 0116 91
RTP8100	Small parts kit	4082 0126 90
RTP1300	Service kit	4081 0510 90
RTP2600	Service kit	4081 0510 90
RTP4100	Service kit	4081 0504 90
RTP8100	Service kit	4081 0511 90

S-type



Productivity kit FRL



Dual trigger

Square bracket

Sliding drive

Steel bar

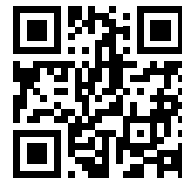




Hydraulic torque wrenches

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
or contact your local Atlas Copco distributor.

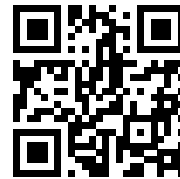


Bolt tensioning system



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

For more information, please visit; www.atlascopco.com
or contact your local Atlas Copco distributor.



Air line installation

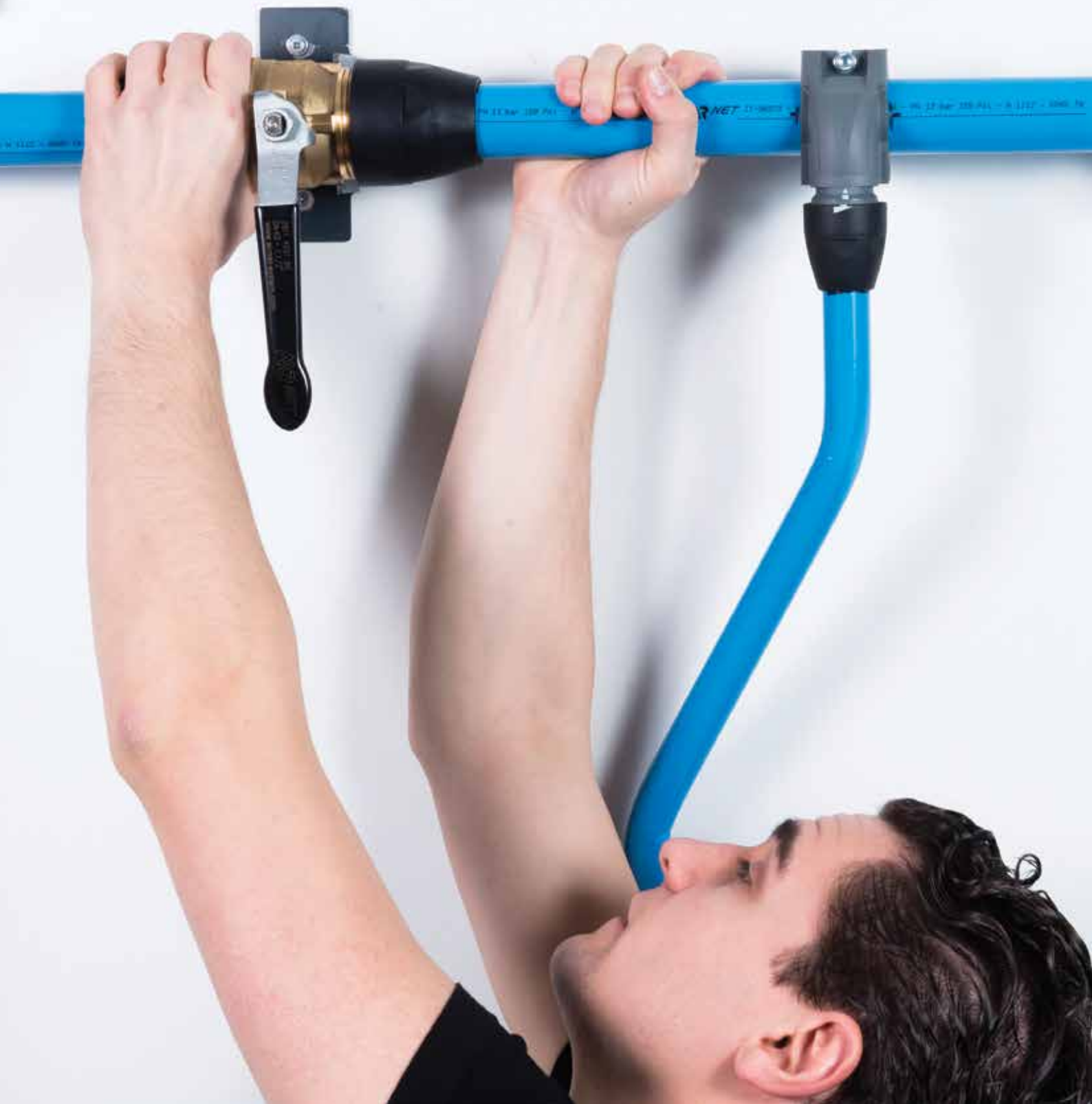
A large, dark, curved metal structure, possibly a part of an aircraft or industrial equipment, is the central focus of the image. It has several circular markings, including a circled '17' and '23 23'. A black cable runs across the foreground, and various mechanical components and tools are visible around the structure. The background is a light-colored, textured surface, possibly a wall or floor.

CONTENT

AIRnet.....	96
Air preparation units.....	98
Connectors and couplings.....	106
Hoses.....	132
Hose reels.....	142
Balancers.....	146
Vibrations.....	154



AlRnet – quality piping solution



AIRnet technologies and innovations are based on technical expertise gained from more than 140 years of experience with pressurized air applications and equipment.

AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

TIME AND TOOLING

- Quick connections with no need to crimp, thread, solder or glue the pipe
- No heavy tooling or machinery required
- PF series can be connected to any existing network via simple use of adaptor unions and nipple sockets
- PF series is assembled by hand, a push of the pipe into the fitting is all it takes

MODULARITY

- Easy to handle and easy to work with lightweight materials
- Modular design supports extensions and modifications to meet new demands
- Components are interchangeable and reusable after disassembly
- Quickdrops are easily mounted, both horizontally and vertically



Quickdrop design safeguards leaktight and condensate free droplines



White torque indicators
(PF Series)

AIRNET IS RELIABLE, SAFE, AND MAINTENANCE FREE

SUSTAINABILITY

- Optimized inner body design minimizes flow resistance and pressure drop in the fittings
- Low friction factor and seamless connections minimize pressure drops in the pipe network
- Superior sealing technology ensures a leak free system and maintains performance over time
- Durable and corrosion resistant materials offers a maintenance free system

SAFETY

- Safety factor of 4 for all diameters
- Camera control and automatic assembly guarantee zero defect manufacturing
- Plastic components and pipe clips comply to UL 94 HB and UL 94 V-2 for flammability
- Torque indicators ensure sufficient torquing

Please contact your Atlas Copco representative or go to www.atlascopco.com to find out more.
The complete AIRnet product range, including part numbers, can be found in the separate AIRnet catalogue.

Air preparation units



Atlas Copco air preparation units are designed to help you get maximum productivity from your tools. They ensure minimal pressure drop and therefore minimize energy losses in the air distribution system and cut operating costs. The lifetimes of your tools can be extended by using air preparation units and with that comes lower repair costs and less downtime. A correct air installation ensures productivity and good total economy.

Selection Guide

Mini	Midi	Maxi
		
 Small impact wrenches  Percussive tools  Small vane grinders  Small screwdrivers  Medium vane grinders	 Medium impact wrenches  Drills	 Large impact wrenches  Turbine grinders  Large vane grinders  Large turbine grinders
0–9 l/s	9–31 l/s	31–82 l/s

AIR

preparation units



MINI K

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

- **Working temperature**
0°C to +50°C at 10 bar
- **Operating pressure**
Inlet pressure 0-10 bar
Outlet pressure 0.5-8 bar
- **Standard filter**
30 µm
- **Pressure gauge**
1/8" BSP

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

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

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

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



MINI B

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

- **Working temperature**
0°C to +50°C at 10 bar
- **Operating pressure**
Inlet pressure 0-16 bar
Outlet pressure 0.5-8 bar
- **Standard filter**
30 µm
- **Pressure gauge**
1/8" BSP

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
Filters								
MINI FIL 08B-B	12	24	Polycarbonate	Semi/automatic	22	-	0.25	9093 0032 11
MINI FIL 08B-C	12	24	Polycarbonate	Manual	22	-	0.25	9093 0032 41
MINI FIL 08B-D	13	24	Metal	Manual	22	-	0.25	9093 0032 71
Regulators								
MINI REG 08B	9	47.5	-	-	-	-	0.30	9093 0033 01
MINI REG 08B-LP	9	47.5	-	-	-	-	0.30	9093 0073 21
MINI REG 08P	8	47.5	-	-	-	-	0.30	9093 0000 31
Lubricators								
MINI DIM 08B	12	23	Polycarbonate	-	-	45	0.25	9093 0033 31
MINI DIM 08B-D	12	23	Metal	-	-	45	0.25	9093 0033 61
Filter/regulator								
MINI F/R 08B-B	9	38	Polycarbonate	Semi/automatic	22	-	0.35	9093 0033 91
MINI F/R 08B-C	9	38	Polycarbonate	Manual	22	-	0.35	9093 0034 21
Filter/regulator+lubricator								
MINI F/RD 08B-B	9	14.8	Polycarbonate	Semi/automatic	22	45	0.75	9093 0034 51
MINI F/RD 08B-C	9	14.8	Polycarbonate	Manual	22	45	0.75	9093 0034 81
Filter+regulator+lubricator								
MINI FRD 08B-B	9	13.8	Polycarbonate	Semi/automatic	22	45	0.95	9093 0062 11
MINI FRD 08B-C	9	13.8	Polycarbonate	Manual	22	45	0.95	9093 0062 41

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

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

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

AIR

preparation units



The **MIDI Optimizer** is a self-regulating nanolubricator that automatically adjusts to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates.

It is suitable for more than 90% of the Atlas Copco tool range. The unit has a 1/2" BSP connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert.

- **Working temperature**
-40°C to +60°C at 10 bar
+2°C to +60°C at 10 bar for filters
- **Standard filter**
30 µm
- **Pressure gauge**
1/4" BSP
- **Operating pressure**
Inlet pressure 0-16 bar
Outlet pressure 0.5-8 bar
Outlet pressure, HP versions 0.5-16 bar

MIDI Optimizer - 1/2"

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
Filters								
MIDI Optimizer FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 01
MIDI Optimizer FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 02
Regulators								
MIDI Optimizer REG	-	97	-	-	-	-	0.35	9093 0021 05
MIDI Optimizer REG LP	-	97	-	-	-	-	0.35	9093 0021 06
MIDI Optimizer REG HP	-	97	-	-	-	-	0.35	9093 0021 30
Lubricators								
MIDI Optimizer DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 10
MIDI Optimizer DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 33
Filter/regulator								
MIDI Optimizer F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 12
MIDI Optimizer F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 13
MIDI Optimizer F/R M/S HP	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 31
MIDI Optimizer F/R HP A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 32
Filter/regulator+lubricator								
MIDI Optimizer F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 16
MIDI Optimizer F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 17
MIDI Optimizer F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 35
MIDI Optimizer F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 36
Filter+regulator+lubricator								
MIDI Optimizer FRD A	31	55	Polymer, plastic insert	Automatic	60	90	1.1	9093 0021 24
MIDI Optimizer FRD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.1	9093 0021 25

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

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

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

EP For impact and pulse tools
A Automatic
M/S Manual/semi automatic
HP High pressure regulator
LP Lockable regulator



MIDI Optimizer - 3/4"

The **MIDI Optimizer** is a self-regulating nanolubricator that automatically adjusts to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates.

It is suitable for more than 90% of the Atlas Copco tool range. The unit has a 3/4" BSP connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert.

- **Working temperature**
-40°C to +60°C at 10 bar
+2°C to +60°C at 10 bar for filters
- **Standard filter**
30 µm
- **Pressure gauge**
1/4" BSP
- **Operating pressure**
Inlet pressure 0-16 bar
Outlet pressure 0.5-8 bar
Outlet pressure, HP versions 0.5-16 bar

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
Filters								
MIDI Optimizer 3/4" FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 40
MIDI Optimizer 3/4" FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 41
Regulators								
MIDI Optimizer 3/4" REG	-	97	-	-	-	-	0.35	9093 0021 42
MIDI Optimizer 3/4" REG LP	-	97	-	-	-	-	0.35	9093 0021 43
MIDI Optimizer 3/4" REG HP	-	97	-	-	-	-	0.35	9093 0021 44
Lubricators								
MIDI Optimizer 3/4" DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 45
MIDI Optimizer 3/4" DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 54
Filter/regulator								
MIDI Optimizer 3/4" F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 46
MIDI Optimizer 3/4" F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 47
MIDI Optimizer 3/4" F/R M/S HP	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 48
MIDI Optimizer F/R 3/4" HP A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 49
Filter/regulator+lubricator								
MIDI Optimizer 3/4" F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 50
MIDI Optimizer 3/4" F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 55
MIDI Optimizer 3/4" F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 56
MIDI Optimizer 3/4" F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 51
Filter+regulator+lubricator								
MIDI Optimizer 3/4" FRD A	31	55	Polymer, plastic insert	Automatic	60	90	1.1	9093 0021 52
MIDI Optimizer 3/4" FRD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.1	9093 0021 53

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

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

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

EP For impact and pulse tools
A Automatic
M/S Manual/semi automatic
HP High pressure regulator
LP Lockable regulator

AIR

preparation units



MAXI B - 1"

The main application of this high flow air preparation unit is to prepare the air for pneumatic tools which are large air consumers and when long distribution hoses are being used. A good example is Atlas Copco turbine grinders. The **MAXI-B** has a diecast zinc housing and aluminum bowls with polypropylene inserts, and the unit has a 1" BSP connection thread. The bowl is mounted directly on the housing for easy handling.

- **Working temperature**
-10°C to +50°C at 10 bar
NOTE: For dry compressed air, ice formation must be avoided.
- **Operating pressure**
Inlet pressure 0-17.5 bar
Outlet pressure 0.5-12 bar
- **Standard filter**
30 µm
- **Pressure gauge**
1/4" BSP

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

^a8 bar inlet pressure, 1 bar pressure drop.

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

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

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

Accessories

Model	MINI-K	MINI-B	MIDI OPTIMIZER 1/2"	MIDI OPTIMIZER 3/4"	MAXI-B
Mounting bracket kit ^a	9090 1902 00	9092 0063 01	9093 0022 01	9093 0022 01	9093 0076 15
Assembly kit ^a	9090 1901 90	9092 0062 71	9093 0022 02	9093 0022 02	9093 0076 31
Filter (FIL) accessories (30 µm filter element is incl with all filters)					
30 µm filter element	9090 1898 00	9092 0063 31	9093 0023 04	9093 0023 04	9093 0076 61
5 µm filter element		9092 0063 61	9093 0023 05	9093 0023 05	9093 0076 71
Bowl guard		9092 0063 91			
Regulator (REG) accessories ^b					
Pressure gauge, 0-10 bar, Ø 40 mm	9090 1907 00	9090 1907 00			
Pressure gauge, 0-10 bar, Ø 50 mm		9090 1172 00	9090 2052 00	9090 2052 00	
Pressure gauge, 0-10 bar, Metal housing			9090 2052 01	9090 2052 01	
Pressure gauge, 0-16 bar, Ø 49 mm			9090 0239 00	9090 0239 00	9090 0239 00
Pressure gauge, 0-16 bar, Ø 50 mm		9090 1657 00			
Panel mounting pressure gauge, 0-10 bar, Ø 50 mm		9090 1173 00	9090 1173 00	9090 1173 00	
Panel mounting pressure gauge, 0-16 bar, Ø 63 mm					9093 0076 43
Key lock for regulator -LP		9092 0074 11	9092 0074 11	9092 0074 11	9092 0074 11
Lubricator (DIM) accessories					
Air distribution block kit	9090 1900 90	9092 0064 51	9093 0022 03	9093 0022 04	9093 0076 41
Bowl guard		9092 0063 91			
Glass sight dome		9090 1121 00			
Oil reduction plate			9093 0022 06	9093 0022 06	

^a Are included in combination units (FD, FTD, F/RD and FRD). Mounting bracket kits and assembly kits have to be ordered separately for separate units.

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

Optimizer - Air Tool Oil

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

- **Temperature range**
-25°C to +70°C
- **Density at 15°C**
869 kg/m³
- **Viscosity at 40°C**
22 mm²/s
- **Pour point**
-48°C
- **Flash point COC**
>170°C

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

FRL-stand

Model	Ordering No.
FRL-Stand - suits all models	9090 2101 00
FRL-Stand - Midi BSP *	9090 3030 06
FRL-Stand - Maxi BSP *	9090 3030 04
Hose kits to fit FRL-Stand (Midi and Maxi)	
TURBO 13 - EQ10 - 5M - EU	8202 1181 81
TURBO 16 - EQ15E - 5M - EU	8202 1181 82
TURBO 20 - EQ15E - 5M - EU	8202 1181 83

* Hose kit not included in FRL stand



FRL-Stand - suits all models



FRL-stand kit



Optimizer - Air Tool Oil

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.

Selection

guide

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 drop-forged, hardened steel which can withstand rough treatment and ensures a long life even under difficult conditions.

The coupling head is the same for all 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.



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

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

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				10AC	08E	15E		08US	10US	15US	10 A
Atlas Copco SmartQIC				10	08E	15E		08US	10US	15US	10 A
Atlas Copco QIC							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	
Kaesar					x						
Legris					25/26	27		23/24	30		13
Tomco								180	4000	5000	

Quick Atlas Copco Global standard couplings



Nipple profile

ErgoQIC 08

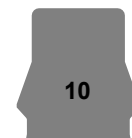
Atlas Copco Global Standard

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



Nipple profile

ErgoQIC 10

Atlas Copco Global Standard

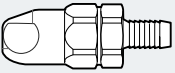
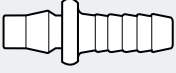
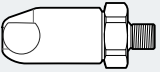
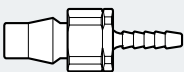
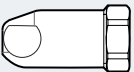
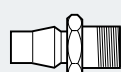
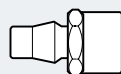
The ErgoQIC 10 is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 will give the benefits of productivity and energy efficiency.

- 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

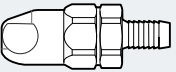
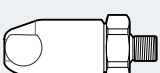
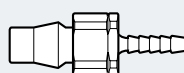
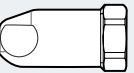
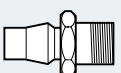
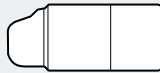
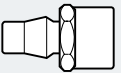
Max flow capacity	60 l/s (0.5 bar ΔP)
Economical air flow	40 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-10°C to +70°C

ErgoQIC 08 and ErgoNIP 08, 18 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size		Connection type	Nipple ErgoNIP 08	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	8202 1110 04	6.3	1/4	H – Hose 	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
M – Male 	M08	8202 1110 61	1/4 BSP		SH – Safety Hose ^a 	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
						SH13	8202 1210 55	12.5	1/2
F – Female 	F08	8202 1110 90	1/4 BSP		M – Male 	M06	8202 1210 03	1/8 BSP	
	F10	8202 1110 95	3/8 BSP			M08	8202 1210 11	1/4 BSP	
Protective cover 		9090 1940 00				M10	8202 1210 29	3/8 BSP	
						M15	8202 1210 31	1/2 BSP	
					F – Female 	F08	8202 1210 60	1/4 BSP	
						F10	8202 1210 62	3/8 BSP	

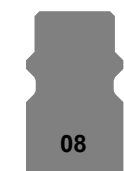
^a For joining hoses longer than 3 meters.

ErgoQIC 10 and ErgoNIP 10, 40 L/S (recommended air flow at 6.3 bar pressure)

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 ^a 	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	
Protective cover 		9090 1931 00			F – Female 	F08	8202 1220 84	1/4 BSP	
						F10	8202 1220 86	3/8 BSP	
						F15	8202 1220 88	1/2 BSP	

^a For joining hoses longer than 3 meters.

Quick Euro standard 7.6 (7.4) couplings



Nipple profile



Nipple profile

ErgoQIC 08E

Euro Standard 7.6 (7.4)

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

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

Technical data

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

SmartQIC 08E

Euro Standard 7.6 (7.4)

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

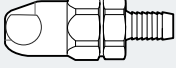
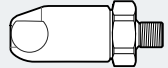
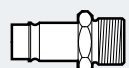
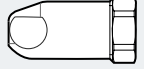
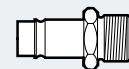
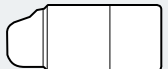
Common standard used in EU-markets for many types of assembly and material removal tools.

- 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.
- Complies with OSHA 1910.95.
- Main market: Europe.

Technical data

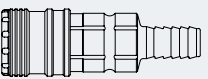
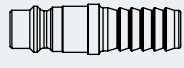
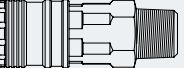
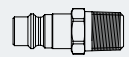
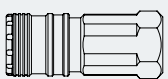
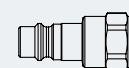
Max flow capacity	38 l/s (0.5 bar ΔP)
Economical air flow	35 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C

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

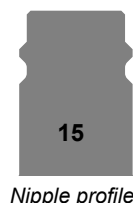
Connection type	Coupling ErgoQIC 08E	Ordering No.	Size		Connection type	Nipple NIP EU 7.6	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	8202 1106 00	6.3	1/4	H – Hose 	H05	8202 1204 00	5	3/16
	H08	8202 1106 01	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1106 02	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1106 03	12.5	1/2		H10	8202 1204 15	10	3/8
M – Male thread 	M08	8202 1106 04	1/4 BSP		M – Male thread 	M06	8202 1204 25	1/8 BSP	
	M10	8202 1106 05	3/8 BSP			M08	8202 1204 30	1/4 BSP	
	M15	8202 1106 06	1/2 BSP			M10	8202 1204 35	3/8 BSP	
F – Female 	F08	8202 1106 07	1/4 BSP		MT – Male taper thread 	MT08	8202 1204 40	1/4 BSPT	
	F10	8202 1106 08	3/8 BSP			MT10	8202 1204 45	3/8 BSPT	
	F15	8202 1106 09	1/2 BSP			MT15	8202 1204 50	1/2 BSPT	
Protective cover ^a 		9090 1940 01			F – Female 	F08	8202 1204 55	1/4 BSP	
						F10	8202 1204 60	3/8 BSP	

^a Protect your work piece with a protective rubber cover for the ErgoQIC coupling.

SmartQIC 08E and NIP 08E, EU 7.6 35 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC-08E	Ordering No.	Size		Connection type	Nipple NIP-08E	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H08	4221 0010 00	8	5/16	H – Hose 	H06	4221 0011 00	6.3	1/4
	H10	4221 0010 01	10	3/8		H08	4221 0011 01	8	5/16
	H13	4221 0010 02	13	1/2		H10	4221 0011 02	10	3/8
M – Male 	M06	4221 0010 03	1/4 BSPT		M – Male 	M06	4221 0011 04	1/4 BSP	
	M10	4221 0010 04	3/8 BSPT			M10	4221 0011 05	3/8 BSP	
	M15	4221 0010 05	1/2 BSPT			M15	4221 0011 06	1/2 BSP	
F – Female 	F06	4221 0010 06	1/4 BSP		F – Female 	F06	4221 0011 07	1/4 BSP	
	F10	4221 0010 07	3/8 BSP			F10	4221 0011 08	3/8 BSP	
	F15	4221 0010 08	1/2 BSP			F15	4221 0011 09	1/2 BSP	

Quick Euro standard 10.4 and 15 mm couplings



ErgoQIC 15E

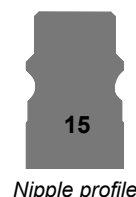
Euro Standard 10.4

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

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

Technical data

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



SmartQIC 15E

Euro Standard 10.4

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

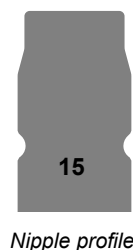
Common standard used in EU-markets for many types of assembly and material removal tools.

- 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.
- Complies with OSHA 1910.95.
- Main market: Europe.

Technical data

Max flow capacity	68 l/s (0.5 bar ΔP)
Economical air flow	63 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C

Euro standard 15 mm



QIC 15

Euro Standard 15 mm

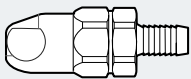
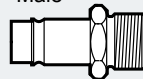
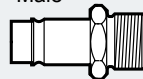
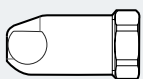
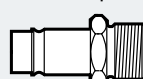
The QIC 15 quick coupling is suitable for assembly tools, grinders and drills. The QIC 15 can withstand extremely rough handling in tough applications.

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

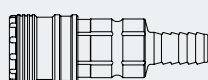
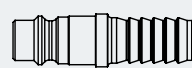
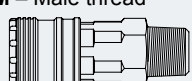
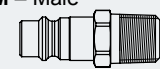
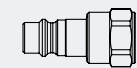
Technical data

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

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

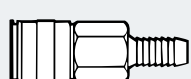
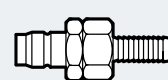
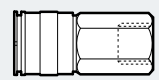
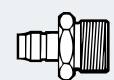
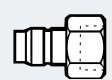
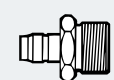
Connection type	Coupling ErgoQIC 15E	Ordering No.	Size		Connection type	Nipple NIP 15E	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H10	8202 1106 50	10	3/8	H – Hose 	H06	8202 1253 00	6.3	1/4
	H13	8202 1106 51	12.5	1/2		H08	8202 1253 05	8	5/16
	H16	8202 1106 52	16	5/8		H10	8202 1253 10	10	3/8
	H20	8202 1106 53	19	3/4		H13	8202 1253 15	12.5	1/2
M – Male 	M10	8202 1106 60	3/8 BSP	M – Male 		H16	8202 1253 20	16	5/8
	M15	8202 1106 61	1/2 BSP			H20	8202 1253 23	19	3/4
	M20	8202 1106 62	3/4 BSP		M – Male 	M10	8202 1253 25	3/8 BSP	
	M25	8202 1106 63	1 BSP			M15	8202 1253 30	1/2 BSP	
F – Female 	F10	8202 1106 70	3/8 BSP			MT – Male taper thread 	M20	8202 1253 34	3/4 BSP
	F15	8202 1106 71	1/2 BSP		MT08		8202 1253 35	1/4 BSPT	
					F – Female 		MT10	8202 1253 40	3/8 BSPT
						MT15	8202 1253 45	1/2 BSPT	
						F08	8202 1253 50	1/4 BSP	
						F10	8202 1253 55	3/8 BSP	
					F15	8202 1253 60	1/2 BSP		
					F20	8202 1253 63	3/4 BSP		

SmartQIC 15E and NIP-15E, EU 10.4, 63 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC 15E	Ordering No.	Size		Connection type	Nipple NIP 15E	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H10	4221 0020 00	10	3/8	H – Hose 	H10	4221 0021 00	10	3/8
	H13	4221 0020 01	13	1/2		H13	4221 0021 01	13	1/2
	H16	4221 0020 02	16	5/8		H16	4221 0021 02	16	5/8
	H20	4221 0020 03	19	3/4		H20	4221 0021 03	19	3/4
M – Male thread 	M10	4221 0020 04	3/8 BSPT		M – Male 	M10	4221 0021 04	3/8 BSPT	
	M15	4221 0020 05	1/2 BSPT			M15	4221 0021 05	1/2 BSPT	
	M20	4221 0020 06	3/4 BSPT			M20	4221 0021 06	1/2 BSPT	
F – Female thread 	F10	4221 0020 07	3/8 BSP		F – Female 	F10	4221 0021 07	3/8 BSP	
	F15	4221 0020 08	1/2 BSP			F15	4221 0021 08	1/2 BSP	
	F20	4221 0020 09	3/4 BSP			F20	4221 0021 09	3/4 BSP	

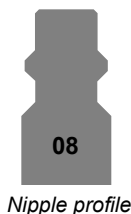
Euro standard 15 mm

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

Connection type	Coupling QIC 15	Ordering No.	Size		Connection type	Nipple NIP 15	Ordering No.	Size		
			mm	in				mm	in	
H – Hose 	H10	8202 1304 00	10	3/8	H – Hose 	H06	8202 1251 03	6.3	1/4	
	H13	8202 1304 18	12.5	1/2		H08	8202 1252 28	8	5/16	
		H16	8202 1304 26	16		5/8	H10	8202 1251 11	10	3/8
							H13	8202 1251 29	12.5	1/2
						H16	8202 1251 37	16	5/8	
M – Male thread 	M08	8202 1304 34	1/4 BSP	SH – Safety Hose ^a 	SH10	8202 1203 44	10	3/8		
	M10	8202 1304 42	3/8 BSP		SH13	8202 1203 51	12.5	1/2		
	M15	8202 1304 59	1/2 BSP		SH16	8202 1203 69	16	5/8		
F – Female thread 	F15	8202 1304 67	1/2 BSP		M – Male thread / 	M10	8202 1251 45	3/8 BSP		
						M15	8202 1251 52	1/2 BSP		
F – Female thread 	F08	8202 1251 94	1/4 BSP	MT – Male taper thread 	MT08	8202 1251 60	1/4 BSPT			
	F10	8202 1252 02	3/8 BSP		MT10	8202 1251 78	3/8 BSPT			
	F15	8202 1252 10	1/2 BSP		MT15	8202 1251 86	1/2 BSPT			

^a For hoses longer than 3 meters.

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



Nipple profile

ErgoQIC 08US

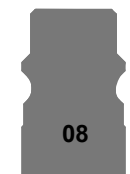
ISO 6150-B / US Standard

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



Nipple profile

SmartQIC 08US

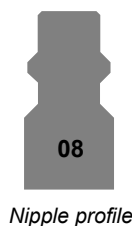
ISO 6150-B / US Standard

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	16 l/s (0.5 bar ΔP)
Economical air flow	15 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C



Nipple profile

QIC 08US

ISO 6150-B / US Standard

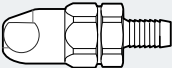
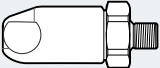
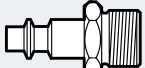
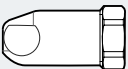
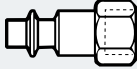
The QIC 08US coupling is suitable for small screwdrivers and drills. Its lightweight, compact design makes the QIC 08US coupling easy to work with.

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

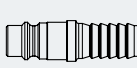
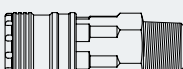
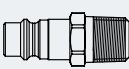
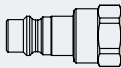
Technical data

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

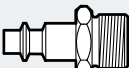
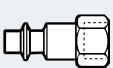
ErgoQIC 08US and NIP 08, 11 L/S (recommended air flow at 6.3 bar pressure)

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

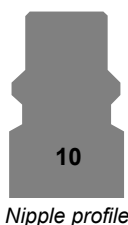
SmartQIC 08US and NIP-08US, 15 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC 08US	Ordering No.	Size		Connection type	Nipple NIP 08US	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	4221 0030 00	6.3	1/4	H – Hose 	H06	4221 0031 00	6.3	1/4
	H08	4221 0030 01	8	5/16		H08	4221 0031 01	8	5/16
	H10	4221 0030 02	10	3/8		H10	4221 0031 02	10	3/8
M – Male thread 	M10	4221 0030 03	3/8 BSP		M – Male thread 	M06	4221 0031 03	1/4 BSP	
	M15	4221 0030 04	1/2 BSP			M10	4221 0031 04	3/8 BSP	
	M10	4221 0030 05	3/8 NPT			M06	4221 0031 05	1/4 NPT	
	M15	4221 0030 06	1/2 NPT			M10	4221 0031 06	3/8 NPT	
F – Female thread 	F06	4221 0030 07	1/4 BSP		F – Female thread 	F06	4221 0031 07	1/4 BSP	
	F10	4221 0030 08	3/8 BSP			F10	4221 0031 08	3/8 BSP	
	F06	4221 0030 09	1/4 NPT			F06	4221 0031 09	1/4 NPT	
	F10	4221 0030 10	3/8 NPT			F10	4221 0031 10	3/8 NPT	

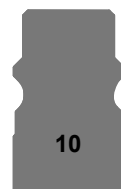
QIC 08 and NIP 08, 8 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 08	Ordering No.	Size		Connection type	Nipple NIP 08	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	8202 1300 04	6.3	1/4	H – Hose 	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 12	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 20	10	3/8		H10	8202 1205 34	10	3/8
M – Male thread 	M08	8202 1300 38	1/4 BSP		M – Male thread 	M06	8202 1205 42	1/8 BSP	
	M10	8202 1300 46	3/8 BSP			M08	8202 1205 59	1/4 BSP	
						M10	8202 1205 67	3/8 BSP	
F – Female thread 	F08	8202 1300 53	1/4 BSP		F – Female thread 	F08	8202 1205 83	1/4 BSP	
	F10	8202 1300 61	3/8 BSP			F10	8202 1205 91	3/8 BSP	

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.

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.

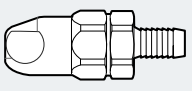
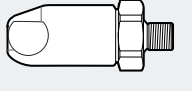
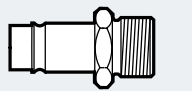
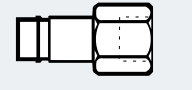
Technical data

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

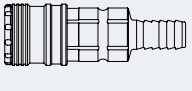
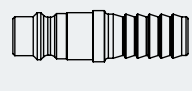
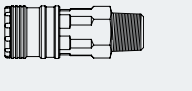
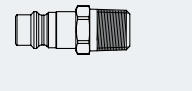
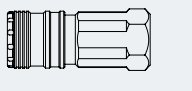
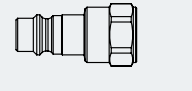
Technical data

Max flow capacity	43 l/s (0.5 bar ΔP)
Economical air flow	39 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C

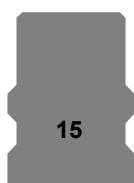
ErgoQIC 10US and NIP 10US, 27 L/S (recommended air flow at 6.3 bar pressure)

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

SmartQIC 10US and NIP-10US, 39 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC 10US	Ordering No.	Size		Connection type	Nipple NIP 10US	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H10	4221 0050 00	10	3/2	H – Hose 	H08	4221 0051 00	8	5/16
	H13	4221 0050 01	13	1/2		H10	4221 0051 01	10	3/8
						H13	4221 0051 02	13	1/2
M – Male thread 	M10	4221 0050 02	3/8 BSPT		M – Male thread 	M06	4221 0051 03	1/4 BSP	
	M15	4221 0050 03	1/2 BSPT			M10	4221 0051 04	3/8 BSP	
	M10	4221 0050 04	3/8 NPT			M15	4221 0051 05	1/2 BSP	
	M15	4221 0050 05	1/2 NPT			M06	4221 0051 06	1/4 NPT	
						M10	4221 0051 07	3/8 NPT	
F – Female thread 	F10	4221 0050 06	3/8 BSP		F – Female thread 	M15	4221 0051 08	1/2 NPT	
	F15	4221 0050 07	1/2 BSP			F06	4221 0051 09	1/4 BSP	
	F10	4221 0050 08	3/8 NPT			F10	4221 0051 10	3/8 BSP	
	F15	4221 0050 09	1/2 NPT			F15	4221 0051 11	1/2 BSP	
						F06	4221 0051 12	1/4 NPT	
						F10	4221 0051 13	3/8 NPT	
						F15	4221 0051 14	1/2 NPT	

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



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

SmartQIC 15US

ISO 6150-B / US Standard

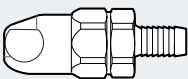
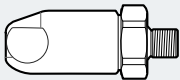
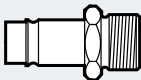
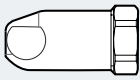
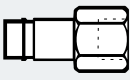
Safety coupling with venting connection, high flow and low pressure drop.

- 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.

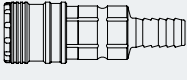
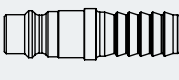
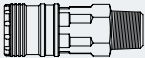
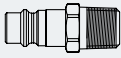
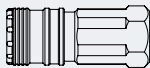
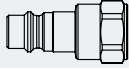
Technical data

Max flow capacity	69 l/s (0.5 bar ΔP)
Economical air flow	64 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C

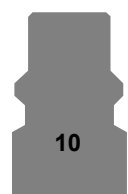
ErgoQIC 15US and NIP 15US, 52 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H10	8202 1108 02	10	3/8	H – Hose 	H10	8202 1215 40	10	3/8
	H13	8202 1108 03	12.5	1/2		H13	8202 1215 41	12.5	1/2
	H16	8202 1108 04	16	5/8		H16	8202 1215 42	16	5/8
	H20	8202 1108 05	19	3/4		H20	8202 1215 43	19	3/4
M – Male 	M10	8202 1108 09	3/8 BSP		M – Male 	M08	8202 1215 44	1/4 BSP	
	M15	8202 1108 11	1/2 BSP			M10	8202 1215 45	3/8 BSP	
F – Female 	F10	8202 1108 15	3/8 BSP			M15	8202 1215 46	1/2 BSP	
	F15	8202 1108 17	1/2 BSP			M20	8202 1215 47	3/4 BSP	
F – Female 					F – Female 	F10	8202 1215 52	3/8 BSP	
						F15	8202 1215 53	1/2 BSP	

SmartQIC 15US and NIP 15US, 8 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H13	4221 0040 00	13	1/2	H – Hose 	H10	4221 0041 00	10	3/8
	H20	4221 0040 02	19	3/4		H13	4221 0041 01	13	1/2
M – Male thread 						H20	4221 0041 03	19	3/4
	M10	4221 0040 03	3/8 NPT		M – Male thread 	M10	4221 0041 04	3/8 NPT	
	M15	4221 0040 04	1/2 NPT			M15	4221 0041 05	1/2 NPT	
	M20	4221 0040 05	3/4 NPT			M20	4221 0041 06	3/4 NPT	
F – Female thread 	F10	4221 0040 06	3/8 NPT		F – Female thread 	F10	4221 0041 07	3/8 NPT	
	F15	4221 0040 07	1/2 NPT			F15	4221 0041 08	1/2 NPT	
	F20	4221 0040 08	3/4 NPT			F20	4221 0041 09	3/4 NPT	

Quick Atlas Copco Global standard couplings



Nipple profile

ErgoQIC 10AC

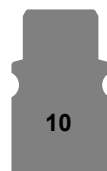
Atlas Copco Global standard

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	26 l/s (0.5 bar Δ P)
Economical air flow	17 l/s (0.2 bar Δ P)
Max working pressure	16 bar
Temperature range	-10°C to +70°C



Nipple profile

QIC 10

Atlas Copco Global standard

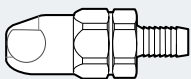
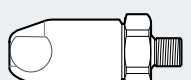
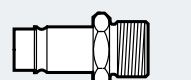
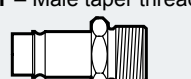
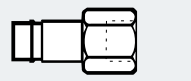
The QIC 10 is a small quick coupling suitable for assembly tools and drills. The QIC 10 can withstand extremely rough handling in tough applications.

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

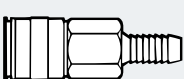
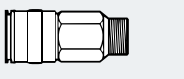
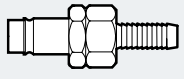
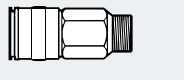
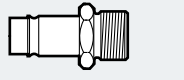
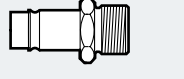
Technical data

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

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

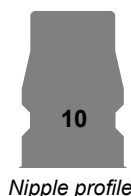
Connection type	Coupling ErgoQIC 10AC	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H08	8202 1109 01	8	5/16	H – Hose 	H06	8202 1202 11	6.3	3/8
	H10	8202 1109 02	10	3/8		H08	8202 1202 94	8	1/2
	H13	8202 1109 03	12.5	1/2		H10	8202 1202 29	10	5/8
						H13	8202 1202 34	12.5	3/4
M – Male thread 	M08	8202 1109 05	1/4 BSP	M – Male thread 	M06	8202 1202 37	1/8 BSP		
	M10	8202 1109 06	3/8 BSP		M08	8202 1202 45	1/4 BSP		
	M15	8202 1109 07	1/2 BSP		M10	8202 1202 52	3/8 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		

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

Connection type	Coupling QIC 10	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	8202 1302 02	6.3	1/4	H – Hose 	H06	8202 1202 11	6.3	1/4
	H08	8202 1302 10	8	5/16		H08	8202 1202 94	8	5/16
	H10	8202 1302 28	10	3/8		H10	8202 1202 29	10	3/8
	H13	8202 1302 34	12.5	1/2		H13	8202 1202 34	12.5	1/2
M – Male thread 	M08	8202 1302 36	1/4 BSP		SH – Safety Hose^a 	SH06	8202 1203 10	6.3	1/4
	M10	8202 1302 44	3/8 BSP			SH08	8202 1203 36	8	5/16
						SH10	8202 1203 28	10	3/8
MT – Male taper thread 	MT15	8202 1302 51	1/2 BSPT		M – Male thread 	M06	8202 1202 37	1/8 BSP	
						M08	8202 1202 45	1/4 BSP	
						M10	8202 1202 52	3/8 BSP	
F – Female 	F08	8202 1302 69	1/4 BSP		MT – Male taper thread 	MT08	8202 1202 60	1/4 BSPT	
						MT10	8202 1202 78	3/8 BSPT	
						MT15	8202 1203 02	1/2 BSPT	
					F – Female 	F08	8202 1202 86	1/4 BSP	
						F10	8202 1202 87	3/8 BSP	

^aFor hoses longer than 3 meters.

Quick ASIA Standard 7.5 mm couplings



Nipple profile

ErgoQIC 10A

ASIA standard 7.5 MM

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

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

Technical data

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



Nipple profile

SmartQIC 10A

ASIA standard 7.5 MM

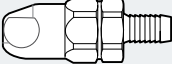
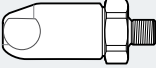
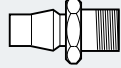
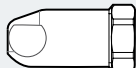
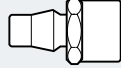
Safety coupling with venting connection, high flow and low pressure drop.

- 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: Asia, Australia, Italy and South America.

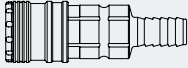
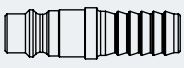
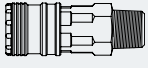
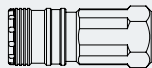
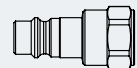
Technical data

Max flow capacity	33 l/s (0.5 bar ΔP)
Economical air flow	32 l/s (0.2 bar ΔP)
Max working pressure	16 bar
Temperature range	-20°C to +100°C

ErgoQIC 10 A and NIP 10 A, 22 L/S (recommended air flow at 6.3 bar pressure)

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

SmartQIC 10A and NIP 10A, 32 L/S (recommended air flow at 6.3 bar pressure)

Connection type	Coupling SmartQIC 10A	Ordering No.	Size		Connection type	Nipple NIP 10A	Ordering No.	Size	
			mm	in				mm	in
H – Hose 	H06	4221 0060 00	6.3	1/4	H – Hose 	H06	4221 0061 00	6.3	1/4
	H08	4221 0060 01	7	9/32		H08	4221 0061 01	7	9/32
	H10	4221 0060 02	10	3/8		H10	4221 0061 02	10	3/8
M – Male thread 	M06	4221 0060 03	1/4 R, BSP		M – Male thread 	M06	4221 0061 04	1/4 R, BSP	
	M10	4221 0060 04	3/8 R, BSP			M10	4221 0061 05	3/8 R, BSP	
	M15	4221 0060 05	1/2 R, BSP			M15	4221 0061 06	1/2 R, BSP	
F – Female thread 	F06	4221 0060 06	1/4 Rc, BSP		F – Female thread 	F06	4221 0061 07	1/4 Rc, BSP	
	F10	4221 0060 07	3/8 Rc, BSP			F10	4221 0061 08	3/8 Rc, BSP	
	F15	4221 0060 08	1/2 Rc, BSP			F15	4221 0061 09	1/2 Rc, BSP	

Claw

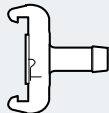
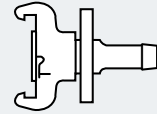
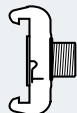
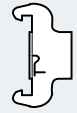
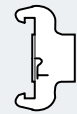
couplings



CLAW couplings are made from zinc-plated, dropforged, hardened steel, ensuring long life even under difficult conditions. The coupling head is the same for all hose sizes and can therefore be freely combined. The recommended maximum working pressure is 10 bar.

Technical Data

Economical air flow 280 12 l/s (0.2 bar ΔP)
 Max working pressure 16 bar
 Temperature range -10°C to +80°C

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

^a Viton-green.

Ball

valves



BAL1A

BAL

Suitable for air, water and many other liquids and gases due to the choice of material.

BAL – with nitrile rubber seals

Can be used in all settings between fully open and fully closed. The balls and the seals can be replaced without the body being removed from the piping.

BAL-1A – with teflon seals

Intended for operating either fully open or fully closed.

Technical Data

BAL

Maximum working pressure: 16 bar.

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

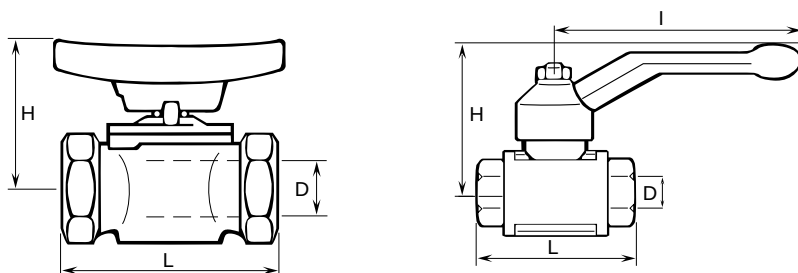
Maximum working pressure: 16 bar
(BAL-1A 40 and 50: max. 16 bar up to +100°C).

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

BAL-1A

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

Dimensions



Swivel

connectors



MultiFlex swivel

Multi-directional connector in lightweight aluminium.

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. The hose feels almost weightless and hose wear is reduced. Safety factor 4 on MultiFlex couplings. Maximum recommended working pressure is 10 bar.



Model	Max rec. air flow ^a		Thread			Length mm	Dia mm	Ordering No.
	l/s	cfm	Inlet female in	Outlet male in	Weight g			
Standard								
MultiFlex 1/8" BSP	12	25	1/8	1/8	73	66.2	24	8202 1350 18
MultiFlex 1/4" BSP	12	25	1/4	1/4	73	66.2	24	8202 1350 20
MultiFlex 3/8" BSP	32	68	3/8	3/8	130	80.6	29.5	8202 1350 22
MultiFlex 1/2" BSP	32	68	1/2	1/2	125	80.6	29.5	8202 1350 24
Protective rubber cover								
MultiFlex 1/8" BSP	12	25	1/8	1/8	76	66.2	27	8202 1350 40
MultiFlex 1/4" BSP	12	25	1/4	1/4	76	66.2	27	8202 1350 41
MultiFlex 3/8" BSP	32	68	3/8	3/8	130	80.6	29.5	8202 1350 42
High air flow								
MultiFlex 1/2" BSP	54	114	1/2	1/2	326	98.3	39	8202 1350 60

Fittings



Hose connection
Male thread – hose nipple

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



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



Gaskets

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



Medium pressure clamps for 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



Reducing nipple in brass

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



Swivels

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

Recommended flow max 10 l/s

**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



Fittings

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

Bushing Male thread – female thread



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

Double connection Male taper thread – male taper thread



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

Double adjustable connection Male thread – male thread



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

Sealing rings for double adjustable connection



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

Hose connection with clamp nut and spring guard



1 Clamp nut, brass

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

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

2 Spring guard in steel

Hose diameter Outside/Inside mm	Ordering No.
10/8	9721 4002 88
12/10	9721 4000 91
15/12	9721 4002 85

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

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



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

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



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



Y-connections 2 female outlets and 1 male inlet

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



Pipe cross

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



Cross 3 female threads and 1 male thread

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



Pipe elbow

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



Pipe tee

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



Branch tee 2 female outlets and 1 male inlet

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



Run tee 2 female outlets and 1 male inlet

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



Hex head plug

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

Hoses



Atlas Copco Tools has seven different hoses covering all types of needs for pneumatic hand tools. The diagram helps you to choose the right hose according to the air consumption of the tool and the length of the hose. The purpose of the diagram is to ensure that the pressure drop in the hoses does not exceed 0.2 bar.

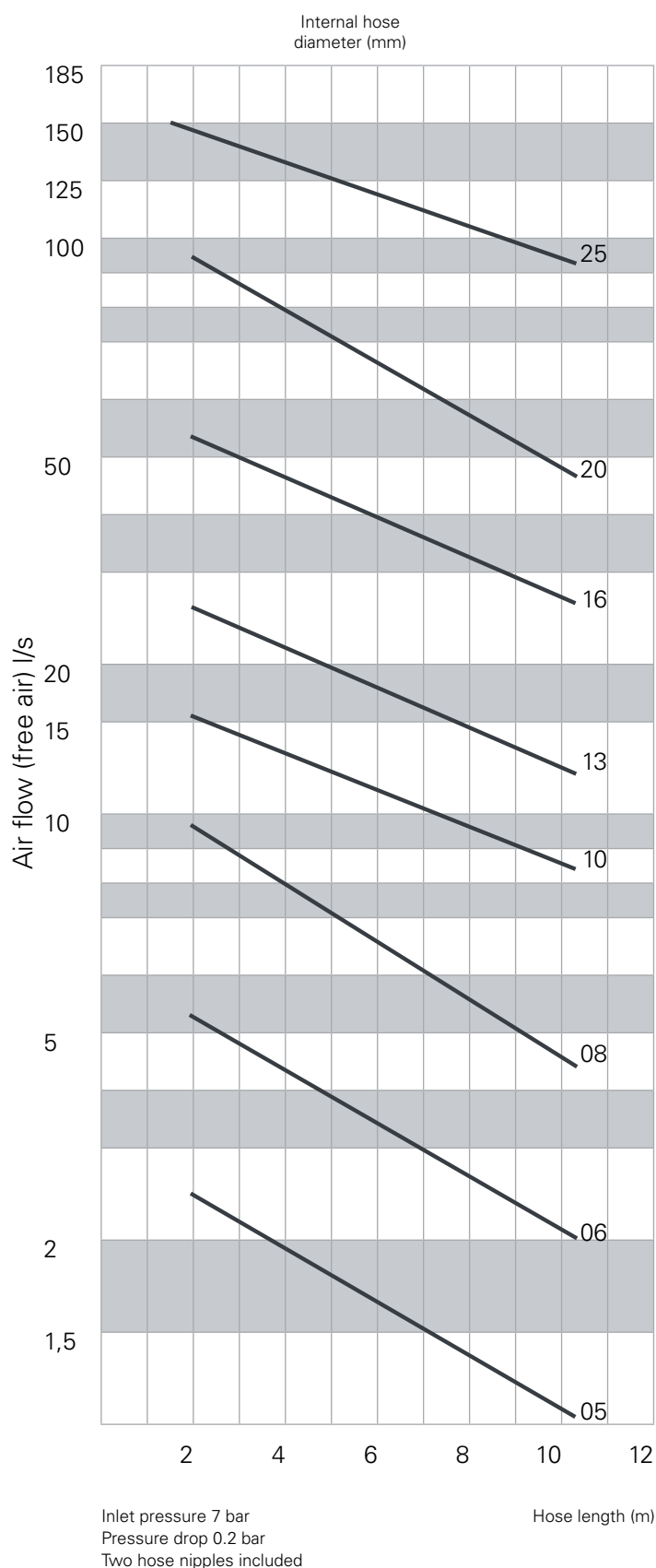
How to find correct internal hose diameter:

1. Find the required air consumption for the tool at 6 bar and the required hose length.
2. Use the required hose length and air flow to find required hose size.

Example

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

Pressure drop diagram for hoses



Rubber hoses



TURBO

Super-light flexible rubber hose

The Turbo hose has been developed for both indoor and outdoor use. The hose weighs 30–40% less than conventional rubber hoses. Turbo hose is oil resistant.

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

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

^a With a safety factor of 3 at 20°C.

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



RUBBER

Durable, reinforced, extra thick, heavy duty rubber hose

Withstands rough handling and is suitable for the most demanding industrial tasks. The inner lining is black EPDM rubber and the hose is conductive to dissipate static electricity. Reinforced with synthetic textile yarns that provide high tensile strength.

- Durable.
- Grinding and welding spatter resistant.
- Working temperature -25°C to +70°C.

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

^a With a safety factor of 3 at 20°C.

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



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 -20°C to +80°C.

Model	Hose inside dia		Hose outside dia mm	Max working pressure ^a bar	Max rec. air flow ^b l/s	Weight per 20 m coil kg	Ordering No.
	mm	in					
RUBAIR 10	10	3/8	16.0	16	13	3.6	8202 0402 10
RUBAIR 13	12.5	1/2	19.1	16	21	4.7	8202 0403 13
RUBAIR 16	16	5/8	23.0	16	43	6.1	8202 0404 16
RUBAIR 20	20	3/4	26.6	16	75	7.8	8202 0405 20

^a With a safety factor of 4 at 20°C.

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

Hoses



CABLAIR

Super-light flexible PVC-hose

Cablaire is made of high-strength and high performance PVC compound. The Cablaire hose weighs 30–50% less, is much softer and more flexible than conventional PVC hoses.

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

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

^aWith a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

^bThe pressure drop will be 0.2 bar on a hose length of 5 m.

CABLAIR ESD

Extra flexible antistatic air hose

Cablaire ESD is designed specifically for 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. The connection device must be earthed/grounded.

- Extra flexible.
- Antistatic.
- Silicone free.
- Testing in accordance with BS ISO 2878:2005.
- Working temperature -15°C to +60°C.



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

^aWith a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).



PVC

Hose for heavy-duty applications

PVC hose has high resistance to abrasion, which makes it the ideal hose for tough working environments. It is mainly recommended for indoor use.

- Long service life.
- Pliable.
- Transparent.
- Working temperature -15°C to +60°C.

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

^aWith a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

^bThe pressure drop will be 0.2 bar on a hose length of 5 m.



POLUR

High resistance 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 due to its flexibility, even at minus degrees. Polur is recommended for indoor and outdoor use.

- Oil resistant.
- Flexible.
- Long service life.
- Working temperature -30°C to +60°C.

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

^aWith a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

^bThe pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

Spiral hoses



SPI

Elastic hose for vertical and horizontal applications

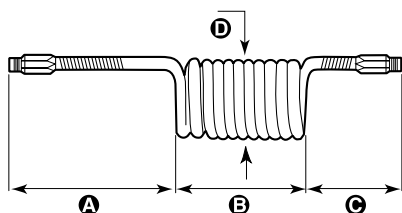
SPI elastic spiral hose is ideal for air tools used at varying distances from a fixed air outlet. It is easily stretched and retracts immediately when released. When used with hand tools, its self-storage principle ensures that the hose is kept off the floor and out of the way of the operator. The SPI 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: 8 bar at 23°C.
- Burst pressure: 25 bar at 23°C.
- Temperature range: -40°C to +70°C.

Model	Hose inside dia mm	Hose outside dia mm	Max. rec. air flow ^a l/s	Working range m	Length			Max spiral dia (D) mm	Male threads in BSP	Ordering No.
					(A) mm	(B) mm	(C) mm			
SPI 1SPSW-S	6.5	10	7	2	500	165	150	55	1/4	8202 0508 71
SPI 1SPSW-M	6.5	10	5	4	500	330	150	55	1/4	8202 0508 73
SPI 2SPSW-S	8	12	13	2	500	130	150	70	3/8	8202 0508 75
SPI 2SPSW-M	8	12	10	4	500	270	150	70	3/8	8202 0508 77
SPI 2SPSW-L	8	12	9	6	500	435	150	70	3/8	8202 0508 79
SPI 2SPSW-XL	8	12	6	8	500	600	150	70	3/8	8202 0508 81
SPI 3SP-S	11	16	25	2	500	185	150	98	3/8	8202 0508 82
SPI 3SP-M	11	16	22	4	500	250	150	98	3/8	8202 0508 84
SPI 3SP-L	11	16	17	6	500	390	150	98	3/8	8202 0508 86
SPI 3SP-XL	11	16	13	8	500	550	150	98	3/8	8202 0508 88
SPI 4SP-XXL	13	19	21	10	500	850	500	115	3/8	8202 0508 90

^a At inlet pressure 6 bar and pressure drop 0.5 bar.

Dimensions



Productivity kits



Productivity kits boost productivity, extend tool lifetime and ensure minimum pressure drop. Each productivity kit includes a 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.

Productivity kits for screwdrivers, drills and grinders

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
For small screwdrivers and small drills with 1/8" BSP air inlet					
MIDI Optimizer F/RD EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	Yes	8202 0850 10
MIDI Optimizer F/R EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	No	8202 0850 19
For screwdrivers and drills with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 00
MIDI Optimizer F/R EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	No	8202 0850 01
For 1/2" drills and small nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 07
For 1/2" small nutrunners with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 03
MIDI Optimizer F/RD EQ10-R10	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 16
For percussive tools and grinders with 3/8" BSP air inlet incl. whiphose					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 14
For percussive tools and grinders, incl. whiphose, no tool nipple included					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubair 13 mm	ErgoQIC 10	Yes	8202 0850 15
For drills and nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 02
For drills and nutrunners with 1/4" BSP air inlet					
MIDI Optimizer F/RD EQ10-C13-1/4	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 11
For grinders and nutrunners with 3/8" BSP air inlet					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
MIDI Optimizer F/RD EQ10-T16 (For LSV39)	35 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 42
For grinders and nutrunners with 1/2" BSP air inlet					
MIDI Optimizer F/R EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
For grinders with 1/2" BSP air inlet					
MIDI Optimizer F/RD EQ10-T16	40 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12
For large Turbo grinders with 1/2" BSP air inlet					
MAXI F/R C-T16	60 l/s	Turbo 16 mm	Claw	No	8202 0850 05
For large Turbo grinders with 1/2" BSP air inlet					
MAXI F/RD C-T20	65 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

Productivity kits for impact wrenches and pulse tools

Model	Economical air flow	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
For small impacts and pulse tools with 1/4" BSP air inlet						
MIDI Optimizer F/RD EP EQ08-C08	7.5 l/s	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 35
For 1/2" impact wrenches and pulse tools with 3/8" BSP air inlet						
MIDI Optimizer F/RD EQ08-C10	13 l/s	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 36
For 1/2" impact wrenches and pulse tools with 1/4" BSP air inlet						
MIDI Optimizer F/RD EQ08-C10	13 l/s	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 37
MIDI Optimizer F/RD EQ10-R10	13 l/s	16 l/s	Rubair 10 mm	ErgoQIC 10	Yes	8202 0850 38
For impact wrenches and pulse tools with 3/8" BSP air inlet						
MIDI Optimizer F/RD EQ10-C13	21 l/s	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 39
For impact wrenches and pulse tools with 1/2" BSP air inlet						
MIDI Optimizer F/RD EQ10-T13	21 l/s	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 41

Hose kits

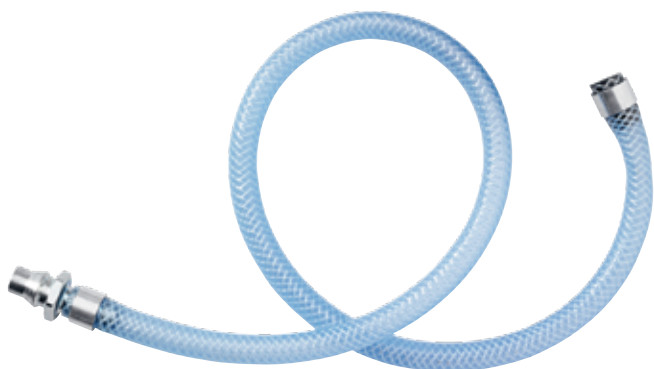


Pre-mounted hose kits

Atlas Copco hose kits give you the correct combination of hose and coupling so that you don't need to spend time choosing and mounting.

- Correct combination hose – coupling.
- Immediate use.

Hose	Dia mm	Length m	Nipple	Coupling	Air inlet thread nipple	Ordering No.
Cablaire	6	5	ErgoNIP 08	ErgoQIC 08	-	8202 1182 01
Cablaire	6	5	NIP 08	ErgoQIC 08US	-	8202 1182 16
Cablaire	6	5	ErgoNIP 10	ErgoQIC 10	1/8" BSP	8202 1180 67
Cablaire	6	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1182 01
Cablaire	8	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 02
Cablaire	8	5	NIP 08	ErgoQIC 08US	-	8202 1182 21
Cablaire	8	5	ErgoNIP 10	ErgoQIC 08	1/4" BSP	8202 1180 77
Cablaire	10	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 03
Cablaire	10	5	ErgoNIP 10	ErgoQIC 10	1/8" BSP	8202 1180 30
Cablaire	13	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 79
Cablaire	13	5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 10
Cablaire	13	5	NIP 10US	ErgoQIC 10US	-	8202 1182 18
Cablaire	13	8.5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 20
Cablaire	13	10	ErgoNIP 10	ErgoQIC 10	-	8202 1182 15
PVC	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 18
PVC	10	5	ErgoNIP 10	ErgoQIC 08	3/8" BSP	8202 1180 31
Rubair	10	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 20
Rubair	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 43
Rubair	13	5	NIP 10US	ErgoQIC 10US	-	8202 1182 24
Rubair	20	5	CLAW	ErgoQIC 10	-	8202 1180 24
Turbo	13	5	ErgoNIP 10	ErgoQIC 10	1/2" BSP	8202 1180 22
Turbo	13	5	NIP 10US	ErgoQIC 10US	-	8202 1182 19
Turbo	16	5	ErgoNIP 10	ErgoQIC 10	-	8202 1180 34
Turbo	16	5	CLAW	ErgoQIC 10	1/2" BSP	8202 1181 80
Turbo	16	5	NIP 15US	ErgoQIC 15US	-	8202 1182 22
Turbo	16	10	ErgoNIP 10	ErgoQIC 10	-	8202 1180 46
Turbo	20	20	CLAW	ErgoQIC 10	-	8202 1181 75



Pre-mounted whip hoses

If a quick coupling is used together with a vibrating tool, such as a percussive tool, impact wrench, grinder or impulse tool, we recommend it should be separated from the tool by a whip hose (length 0.5 m).

Hose	Dia mm	Length m	Nipple	Male thread	Ordering No.
Cablair	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 19
Cablair	10	1.5	ErgoNIP 10	1/4" BSPT	8202 1182 30
Cablair	10	1.5	ErgoNIP 10	3/8" BSPT	8202 1182 35
Cablair	10	0.7	ErgoNIP 08	1/4" BSPT	8202 1180 47
PVC	10	0.7	ErgoNIP 08	3/8" BSPT	8202 1180 50
Rubair	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 42
Rubair	10	0.7	ErgoNIP 10	3/8" BSPT	8202 1180 44
Rubair	13	0.7	ErgoNIP 10	1/2" BSPT	8202 1180 23
Rubair	16	0.5	ErgoNIP 10	1/2" BSPT	8202 1180 28
Rubair	16	0.5	CLAW	1/2" BSPT	8202 1180 37
Turbo	16	5	CLAW	1/2" BSPT	8202 1181 95

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
			
 Small screwdrivers  Small vane grinders  Small impact wrenches	 Percussive tools  Drills  Medium vane grinders  Medium impact wrenches	 Large vane grinders  Large turbine grinders  Large impact wrenches	
0–10 l/s	10–22 l/s	22–95 l/s	

Hose reels



HM LIGHT

Hose reels from the HM Light series have a robust design with a durable, high impact composite casing. The outlet slot is optimized to provide an ideal pull-out angle for the hose. It is recommended to be used together with low air consuming tools such as small and medium screwdrivers, pulse tools, drills, impact wrenches, riveting and chipping hammers.

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

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

^a Working pressure: 12 bar

^b Working pressure: 15 bar



HM FLEX L

The HM FLEX L, with a steel casing and high quality rubber hose, handles both air and water. The HM FLEX L is recommended for all screwdrivers, pulse tools, impact wrenches, drills, chipping and riveting hammers and grinders up to 1,000 W.

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

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



HM OPEN

The HM Open has an open composite casing, a steel frame with a 10 or 13 mm hose. It is a reliable, medium sized hose reel recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and grinders up 1,000 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.
- Latch function is easily disengaged.
- Spring tension is easily adjusted.
- Floor, wall or ceiling mounting.
- Working temperature: -10°C - +60°C.
- Max. working pressure: 15 bar.
- Inlet hose length: 1 m.

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

Pivoting wall brackets needs to be ordered separately 4390 2080 10.



HM OPEN XL

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

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

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

Pivoting wall brackets needs to be ordered separately 4390 2080 11.

Balancers





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

Balancers



WP balancer

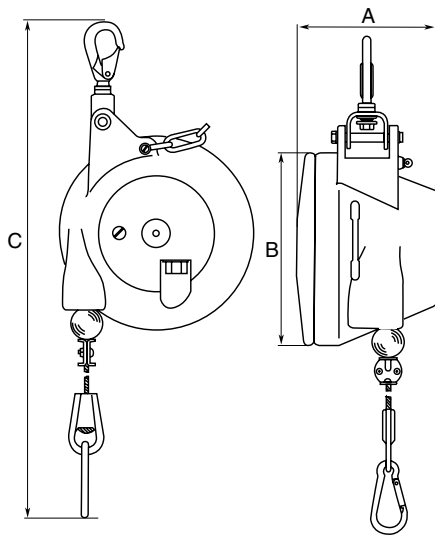
Weightless positioning balancers with a cone-shaped drum that holds the load in the correct position and keeps it weightless throughout the entire cable length. It minimizes worker fatigue.

Safety

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

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

Dimensions



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



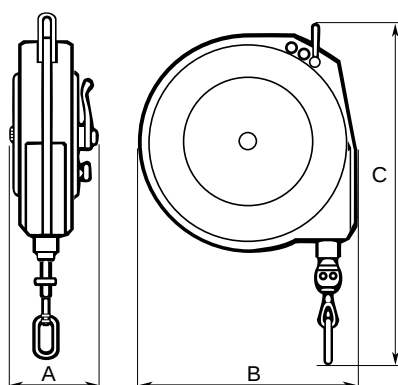
RIL balancer

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

RIL Retractors

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

Dimensions



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

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

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

Accessories

Safety chain

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

Balancers



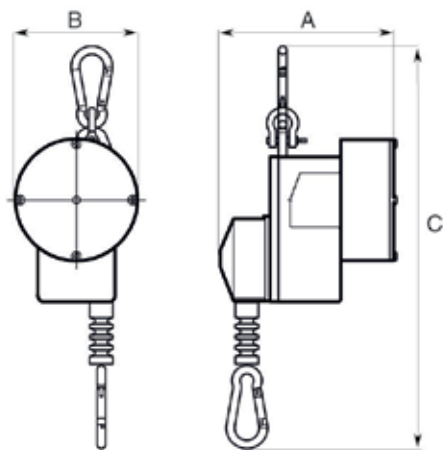
COL balancer

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

Safety

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

Dimensions



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

Accessory

Safety chain

Ordering No.	
COL 1	4391 4045 90

Hose

reels balancers



Hose reel balancer – HRIL

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

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

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

^a At inlet pressure of 6 bar pressure drop is 0.4 bar.

Air line fittings

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

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

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

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

Accessories

Designation	Ordering No.
Safety chain	4391 4045 90

Blow guns

and test equipment



Blow Gun BG-series

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

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

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

Test Equipment

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. Unit has BSP-threads.

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^a bowls.

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

- Use bowl guard.

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

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

Quick safety couplings

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

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

Claw couplings

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

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

Clamps and connections

- Avoid screwdrivers when tightening.

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

Hoses

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

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

Blow guns

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

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

Follow this order when working with claw couplings.

1 How to open a claw coupling:

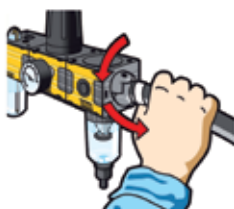
Close the ball valve.



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.



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 ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Impact Wrenches				
Pistol grip				
Non shut-off				
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	1.4	89	100
LMS58 HR	5.5	1.6	92	103
LMS68 HR	7.4	2.6	98	109
Straight				
Non shut-off				
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 ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Grinders				
Turbine grinder				
Angle				
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
Grinders				
Model	Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Turbine grinder				
Straight				
GTR40 S085-15	<2.5	-	85	96
GTR40 S072-13	<2.5	-	85	96
GTR40 S060-15	<2.5	-	85	96
GTR40 S060-20	3.3	0.8	85	96
Grinders				
Model	Vibration total value (3 axes value) according to ISO 28927-3 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Turbine sander				
GTG25 S085	<2.5	-	78	-
GTG25 S085-M14	<2.5	-	78	-
GTG40 S060	<2.5	-	84	95
Grinders				
Model	Vibration total value (3 axes value) according to ISO 28927-12 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Die grinder				
Straight				
LSF12 S200-1	3.1	1.9	74	-
LSF12 S250-1	3	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

			Vibration total value (3 axes value) according to ISO 28927-12 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744					Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744	
Model			Value 3-axes m/s²	Uncer- tainty m/s²	Sound pressure dB(A)	Sound power dB(A)	Model			Value 3-axes m/s²	Uncer- tainty m/s²	Sound pressure dB(A)	Sound power dB(A)
Grinders							Grinders						
Die grinder							Straight						
Straight													
LSF19 S460-1			4.7	2	81	92	LSR48 S120-CW			<2.5	-	80	-
LSF19 S200E-1			3.1	1.8	<70	-	LSR48 S090-CW			3.6	0.9	76	-
LSF19 S300E-1			3.4	1.8	73	-	LSR28 S180-05			<2.5	-	85	96
LSF19 S300E-1/R			3.3	1	73	-	LSR28 S150-10			<2.5	-	70	-
LSF19 S460E-1			4.7	2	81	92	LSR28 S110-08			<2.5	-	<70	-
LSF19 S460E-1/R			3.6	1.3	81	92	LSR43 S150-10			2.9	1	86	97
LSF19 S300-1/R			3.2	2.2	73	-	LSR43 S120-08			<2.5	-	84	95
LSF38 S150E-01/R			<2.5	-	81	92	LSR43 S090-10			<2.5	-	82	93
LSF38 S180E-01/R			<2.5	-	86	97	LSR48 S120-08			<2.5	-	78	-
LSF38 S180E-01			<2.5	-	86	97	LSR48 S120-08R			<2.5	-	78	-
LSF38 S250E-01			2.8	1.3	90	101	LSR48 S120-13			2.9	1.2	83	94
LSF28 S180			2.8	1.1	74	-	LSR48 S120-10			<2.5	-	80	-
LSF28 S180E			<2.5	-	74	-	LSR48 S090-10R			<2.5	-	78	-
LSF28 S250			2.7	0.7	81	92	LSR64 S100-15			<2.5	-	88	99
LSF28 S180-1R			3.4	0.9	74	-	LSR64 S072-13			<2.5	-	82	93
LSF28 S180E-1R			2.8	1	74	-	LSR64 S060-15			<2.5	-	83	94
LSF28 S250-R			3.1	1.8	81	92	LSR28 ST070E-CW			3.1	1.1	81	92
LSF28 S250E-R			3	0.7	81	92	LSR43 S072			<2.5	-	83	94
LSF28 S250E			<2.5	-	81	92	LSR28 ST070E-CW			3.1	1.1	81	92
LSF28 S150E			<2.5	-	<70	-	LSR43 S072			<2.5	-	83	94
LSF28 ST030E			2.7	1.5	74	-							
LSF28 ST030			<2.5	-	74	-							
LSF28 S150			3.6	1.2	<70	-	Model		Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010		Sound pressure levels and sound power levels ^a according to ISO 15744		
LSF28 ST070E			2.7	1.2	81	92			Value 3-axes m/s²	Uncer- tainty m/s²	Sound pressure dB(A)	Sound power dB(A)	
LSF28 ST070			<2.5	-	81	92	Grinders						
LSF28 S120			2.8	0.7	<70	-	Vertical grinder						
LSF07 S850			<2.5	-	75	-							
Angle													
LSV12 S200-1			4.3	2.1	78	-							
LSV12 S120-1			3.2	2	75	-							
LSV19 S200-1			<2.5	-	75	-							
LSV19 S120-1			<2.5	-	75	-							
LSV19 S080-1			<2.5	-	73	-							
LSV18 S080			<2.5	-	73	-							
Model			Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010		Sound pressure levels and sound power levels ^a 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 ^a according to ISO 15744	
			Value 3-axes m/s²	Uncer- tainty m/s²	Sound pressure dB(A)	Sound power dB(A)				Value 3-axes m/s²	Uncer- tainty m/s²	Sound pressure dB(A)	Sound power dB(A)
Grinders							Grinders						
Straight							Vertical grinder						
LSR28 S150-CW			2.8	1.2	70	-	LSS53 S085-18			3.8	1.1	78	-
LSR28 S120-CW			<2.5	-	<70	-	LSS64 S085-18			4.6	1.5	86	97
LSR38 S180-CW			4	1.3	83	94	LSS53 S072-C13			2.8	1.3	76	-
LSR38 S150-CW			2.6	0.8	85	96	LSS64 S060-C15			<2.5	-	82	93
LSR48 S150-CW			<2.5	-	80	-	LSS64 S060-23			3.9	1.2	82	93
							LSS84 S060-23			3.9	1.2	88	99
							Angle grinders						
							LSV19 S170-08			7.9	2.4	80	-
							LSV28 ST13-10E			8.3	2.8	81	92
							LSV28 ST12-10			4	1.3	86	97
							LSV28 ST12-12			5.3	1.6	86	97
							LSV28 ST12-13			5.6	1.7	86	97
							LSV28 S060-18			4.5	1.4	81	92
							LSV39 SA12-125			3.5	0.8	86	97
							LSV48 SA120-13			4.8	1.1	89	100
							LSV48 SA085-18			3.9	0.9	89	100
							LSV48 SA066-23			3.9	1.6	89	100

^a The uncertainty in the sound levels is 3 dB(A).

^a 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 ^a 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 ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)		Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Grinders					Grinders				
Angle sanders					Router				
LSV12 S120	3.2	2	75	-	LSK37 S250-DS1	<2.5	-	79	90
LSV12 S200	4.3	2.1	78	-	LSK37 S250-DS2	<2.5	-	79	90
LSV19 S200	<2.5	-	75	-	LSK38 S250 Do	<2.5	-	89	100
LSV19 S120	<2.5	-	75	-	LSK38 S180 Do	<2.5	-	84	95
LSV19 S080	<2.5	-	73	-					
LSV28 S060	<2.5	-	77	-			Vibration total value (3 axes value) according to ISO 28927-8 Valid from 2010	Sound pressure levels and sound power levels ^a according to ISO 15744	
LSV28 S060-M14	<2.5	-	77	-			Value 3-axes m/s ²	Uncertainty m/s ²	Sound pressure dB(A)
LSV28 S040	<2.5	-	78	-			Value 3-axes m/s ²	Uncertainty m/s ²	Sound power dB(A)
LSV28 ST034	<2.5	-	86	97					
LSV28 S021	<2.5	-	74	-					
LSV28 S021-M14	<2.5	-	74	-					
LSV28 ST008-01 LF	<2.5	-	75	-					
LSV28 S040-01-M14	<2.5	-	78	-					
LSV28 ST013-M14-LF	<2.5	-	77	-					
LSV28 ST013-LF	<2.5	-	77	-					
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					
LSV48 SA085	<2.5	-	89	100					
LSV48 SA085-M14	<2.5	-	89	100					
LSV48 SA066	<2.5	-	89	100					
LSV48 SA066-M14	<2.5	-	89	100					
Vertical sanders									
LSS53 S060	<2.5	-	76	-					
Orbital and random orbital sanders									
LST30 H090-11	3.4	0.9	82	93					
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	-					

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 ^a according to ISO 15744	
	Value 3-axes m/s ²	Uncer- tainty m/s ²	Sound pressure dB(A)	Sound power dB(A)
Drills				
Pistol grip				
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 ^a according to ISO 15744	
	Value 3-axes m/s ²	"Uncer- tainty" m/s ²	Sound pressure dB(A)	Sound power dB(A)
Pistol grip				
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	-

[illegible]

Committed to sustainable productivity

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand a test of time.
This is what we call – Sustainable Productivity.

www.atlascopco.com

Atlas Copco
