

Atlas Copco LSV 38 Grinder Series

Impressive power and performance



Atlas Copco

Letting the tool has never been

Good news for you and your grinding shop! Atlas Copco's new grinder series represents more than just a compact and light angle grinder. It is a line of angle grinders, angle sanders, extended die grinders and a cone wheel grinder. Whatever your requirements – you'll find your next tool in the 38-series.



The 38-series is truly meeting with popular demand, giving you new opportunities in rough grinding, de-burring and sanding in cramped, narrow spaces. After all, how productive can you be if you can't get at the work surface?

More power– more productivity

Atlas Copco's LSV 38 provides 20 percent higher output than many other grinders on the market. This has been accomplished with an all new air-motor. The increased power translates directly into higher rate of material removal and improved productivity. It almost does the job for you!

The efficiency of the air motor ensures consistent performance, even when the grinder is connected to a long hose. With 1300 W output at 3 meter hose length, you still get good output with a much longer hose.

LSV 38 ST – actual size



Ergonomic design – less strain on the operator

Good ergonomics characterizes the 38-series. To help reduce operator stress and fatigue, the angle grinder LSV 38 SA is equipped with an autobalancer that reduces vibrations in the grinder. The die grinder, LSF 38 is equipped with a unique vibration dampening system that, beside the ergonomic benefits, also extends the service life of the rotary burr by as much as 20%! All models in the 38-series have textured non-slip grips that are comfortable to hold.



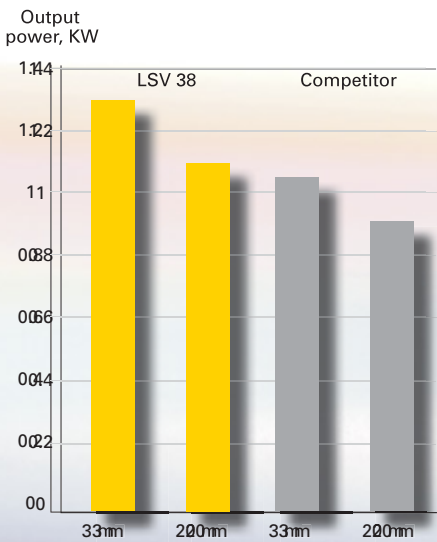
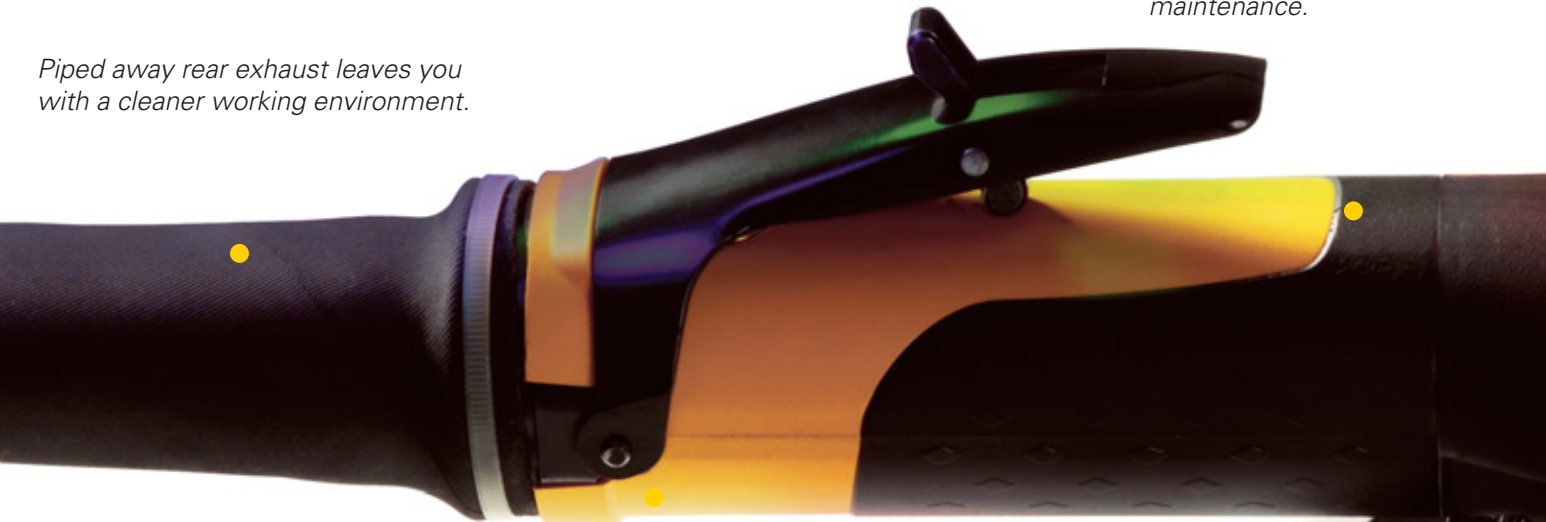
Letting the tool do the job has never been easier!

Longer service life

The new, extra durable angle gear is nearly maintenance free, ensuring you many years of excellent function. All it needs is a grease change every 1,000 hrs of use and we guarantee 2,000 hrs of service life. All 38-series angle grinders and sanders have sealed angle heads ensuring long service intervals, and the warranty period is two years!

The 1300 W lubrication-free motor means improved working conditions and better grinding results requiring minimum maintenance.

Piped away rear exhaust leaves you with a cleaner working environment.



Power at different hose lengths.
125 mm angle grinder.

New trigger valve with soft-start function.

Spindle lock for quick and easy change of grinding wheel.

Adjusting the guard is simple and quick with a new, easy-to-reach, button designed solely for this purpose. No special tool is needed.





LSV 38 sander – excellent control.

The LSV 38 sander is a great choice for both fine and rough sanding applications. The comfortable support handle gives you excellent control during the sanding process.

The lube-free motor keeps the sanded surface nice and oil-free.



LSV 38 D – sander with dust extraction

The LSV 38 D is equipped with accessories for efficient extraction of sanding dust. Use the LSV 38 D for sanding operations in e.g. glass fiber re-inforced plastic and similar materials.



LSF 38 die grinder – a comfortable money saver

Excellent ergonomic design combined with a vibration-dampened spindle reduces burr consumption by at least 20 percent. Two speeds, 18,000 and 25,000 rpm, make it ideal for a large range of applications.



LSR 38 straight grinder offers great accessibility

With its lightweight, powerful motor and very comfortable grip this straight grinder provides you great access to cramped spaces.



2000 hours of service life guarantee on the angle gear.

Reduced operator stress and fatigue thanks to auto-balancing (SA-model).

Selection guide – LSV 38 angle grinder

Choose your LSV 38 angle grinder from the table below. Select model depending on what application benefits you appreciate the most. All models have the same powerful motor. We never compromise when it comes to your productivity.

	LSV 38 S12-125/B	LSV 38 ST12-125/B	LSV 38 SA12-125
1.300 W LF-motor	●	●	●
Lockable spindle	●	●	●
Adjustable guard positions		●	●
Soft grip support handle		●	●
Over hose for exhaust air		●	
HD-over hose for exhaust air			●
Autobalancer			●
Turbo 13 whip hose		●	●

Spindle lock



The spindle lock, on the LSV 38 ST and SA, allows you to change grinding wheels faster and easier than ever. Only one key is needed. With the new accessory, the Fixtec-nut, the wheel change can be done without any key at all!

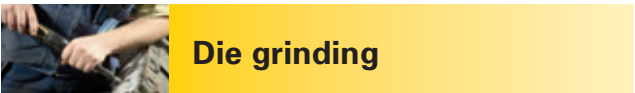


The button for the spindle lock and the guard lock are well protected, yet easily accessible. The spindle lock button can be placed on either side of the angle head.

Advice from the pro’s



- Mount correctly – use Atlas Copco accessories
- Never cut with a grinding wheel, never grind with a cutting wheel.
- Utilize the maximum available power by pushing just enough to ensure the farthest-reaching spark – let the tool do the work!



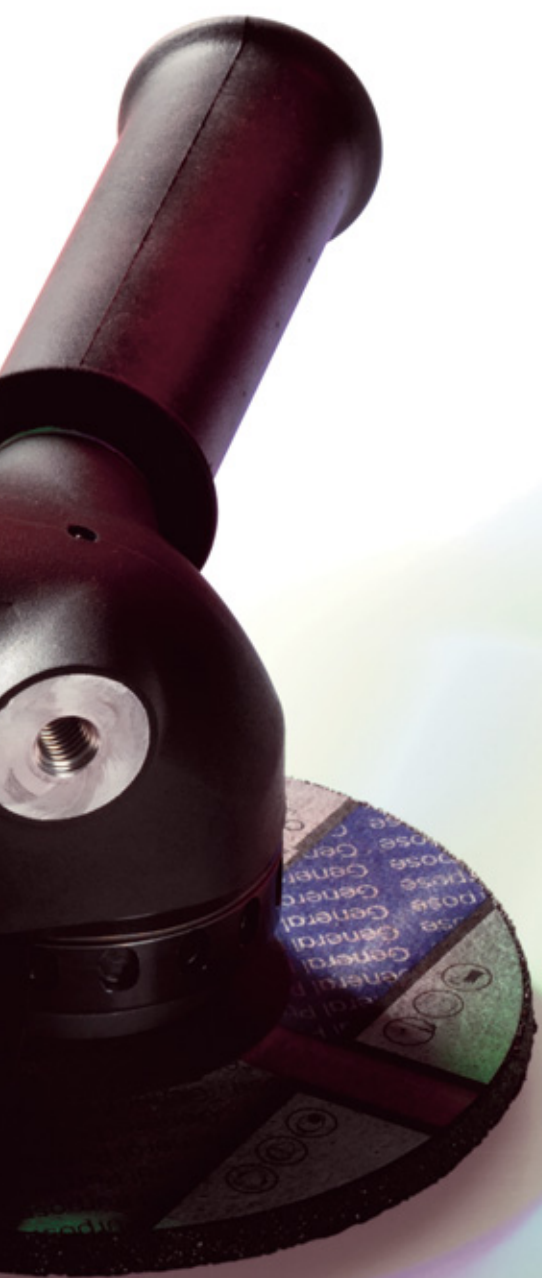
- Mount the rotary burr with a minimum of overhang in the collet – this minimizes vibrations.
- Use an 8 mm collet when your rotary burr has a head diameter of 12 mm or more.
- Use 25 000 rpm when working with aluminium, remember to use the special ALU-cut type burr to prevent the aluminium clogging the teeth.
- Use 18 000 rpm for universal applications in both ferrous and non-ferrous materials.



- Always mount your fiber disc with a backing pad. Choose a stiff pad for coarse papers and a medium pad for finer grit papers.
- Use our new backing pad with a ribbed surface for cooler process, and to avoid heat build-up when working with thin plates and/or heat sensitive materials.



- Install your grinder and sander with our ready to go IP’s. With a correct installation you will be able to use the full capacity of the 38-series tools. A pressure drop of 0.5 bar, from 6.3 to 5.8 bar, means you will have to work longer to do the same job. In fact, a drop of 0.5 bar means you will be increasing your grinding time by over 20 percent!



Technical data

Model	Speed	Max wheel DxTxH mm	Max fiber disc dia mm	Max dia collet mm	Max dia con wheel mm	Max output kW hp	Weight kg lb	Height over spindle mm in	Air consumption max op l/s cfm	free speed l/s cpm	Sound level at free speed dB(A)	Ordering No.
Angle grinder												
LSV 38 S12-125/B	12 000	125x7x22				1.30 1.7	1.6 3.5	83 3.3	28 58	15 31	89*	8423 0131 08
LSV 38 ST12-125/B	12 000	125x7x22				1.30 1.7	1.8 4.0	83 3.3	28 58	15 31	83	8423 0131 09
LSV 38 SA12-125	12 000	125x7x22				1.30 1.7	2.0 4.4	83 3.3	28 58	15 31	83	8423 0131 13
Angle sander												
LSV 38 S085	8 500		180			1.30 1.7	1.5 3.3	96 3.8	28 58	15 31	83	8423 0130 69
LSV 38 S085 M14	8 500		180			1.30 1.7	1.5 3.3	96 3.8	28 58	15 31	83	8423 0130 72
LSV 38 S066	6 600		180			1.20 1.6	1.5 3.3	96 3.8	24 50	13 27	83	8423 0130 73
LSV 38 S066 M14	6 600		180			1.20 1.6	1.5 3.3	96 3.8	24 50	13 27	83	8423 0130 77
LSV 38 S066 D	6 600		180			1.20 1.6	2.3 5.0	96 3.8	24 50	13 27	83	8423 0130 75
LSV 38 S085 D	8 500		180			1.30 1.7	2.3 5.0	96 3.8	28 58	15 31	83	8423 0130 76
Die grinder												
LSF 38 S250 E-01	25 000			10		1.35 1.8	1.5 3.3	¹⁾	28 58	25 53	83	8423 1231 17
LSF 38 S180 E-01	18 000			10		1.35 1.8	1.5 3.3	¹⁾	28 58	15 31	81	8423 1231 16
LSF 38 S180 E-01/R18 000				10		1.35 1.8	1.5 3.3	¹⁾	28 58	15 31	81	8423 1231 15
Straight grinder												
LSR 38 S150-CW	15 000				60	1.25 1.7	1.5 3.3	²⁾	24 50	13 27	80	8423 1232 31

Hose size mm 13. Air inlet thread BSP inch 3/8. ¹⁾ Length = 352 mm (13.8") ²⁾ Length = 320 mm (12.6") * Without exhaust hose R = rigid model

Accessories included

LSV 38 grinder	LSV 38 sander.	LSF 38
Wheel guard for dia 125 mm wheel	Support handle	Collet dia 6 mm
Flanges for grinding wheel	Rubber hose for pipe away of exhaust air	Wrenches for collet
Support handle (LSV 38 ST and -SA)	LSV 38-D sander.	LSR 38 CW
Rubber hose for pipe away of exhaust air (LSV 38 ST)	Support handle	Wrenches, 18 mm
HD rubber hose for pipe away of exhaust air (LSV 38 SA)	Spot suction accessories for fiber disc	
Air inlet hose, L=0,5 m, with ErgoNip 10 (LSV 38 SA, LSV 38 ST/B)	Rubber hose for pipe away of exhaust air	
Wrench for flange nut		

Optional accessories

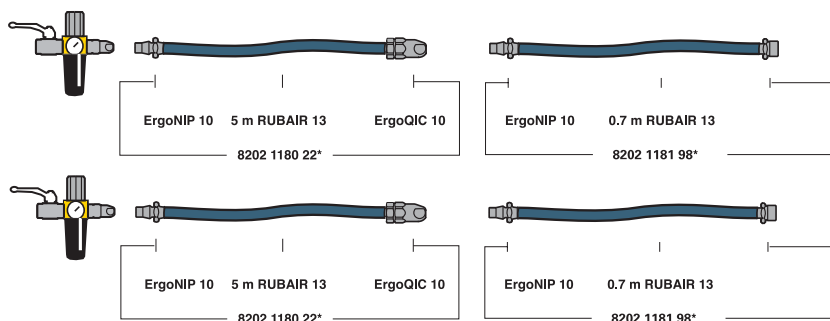
LSV 38-S grinder	Ordering No.	LSV 38 sander	Ordering No.
Support handle	4175 0868 80	Backing pad with ribbed surface, (dia 125 mm)	4150 1962 80
Hose for pipe away exhaust air	4150 1314 02	fits both 5/8" and M14 spindle (dia 180 mm)	4150 1962 81
+ hose clamp	4150 1926 00		
HD-hose for pipe away exhaust air	4150 1532 01	LSF 38	
+ hose clamp	0347 0122 23	Collet dia 8 mm	4150 0325 00
LSV 38-ST grinder		Collet dia 1/4"	4150 0223 00
HD-hose for pipe away exhaust air	4150 1532 01	Collet nut, HD-type	4150 0849 01
+ hose clamp	0347 0122 23	Hose for pipe away exhaust air	4150 1532 01
For LSV 38 grinder		+ HD-hose clamp	0347 0122 23
Fixtec nut	4150 1929 00	Service kit	
ALU-cut attachment	4112 1161 90	LSF 38	4081 0308 90
Cutting-off disc	4112 1164 00	LSV 38	4081 0309 90
For LSR 38 CW	Ordering No.	LSR 38	4081 0311 90
Adapters for cone wheels	4150 0318 00		
UNC/W 3/8"	4150 0318 01		
UNF 3/8"			

Atlas Copco installation proposals

Tool-specific airline accessory kits, for optimal performance and maximum cost efficiency. When you purchase an Atlas Copco power tool, you get the best that money can buy.

Make sure you enjoy its full potential.

Invest in one of our tool-specific Installation Proposals – for optimum productivity!



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