

Atlas Copco 28 Series Grinders and Sanders

Productivity from power, comfort and control



Atlas Copco

The new 28-series of small grinders will fast become your operators favorites.

You'll see the difference on your bottom line.

The new 28 series of small grinders is an excellent choice whatever your grinding application. It covers a range of needs, from rough grinding of welds and cleaning of castings to fine surface preparation and polishing.

Compared to any other tool of similar size and weight the new 28 series gives you at least 30% more power, plus greater comfort and better control over your grinding process. These smart-choice tools pay for themselves quickly due to shorter process times and reduced costs of rotary burrs. *Here's how:*

Productivity up 30%

With no increase in size or weight, the power-to-weight ratio of the 28-series is far superior to any model on the market. The efficient new motor delivers higher productivity with no increase in air consumption. For example, to produce 1 hp of power requires 25 – 50% less air consumption

than other brands of small grinders. And, because our unique LSF vibration dampening design allows the rotating spindle to flex under heavy side pressure, you will get longer life from rotary burrs. Imagine how much your company will save in a month when you don't have to buy as many expensive rotary burrs.



**Longer
service life
means
lower
cost**

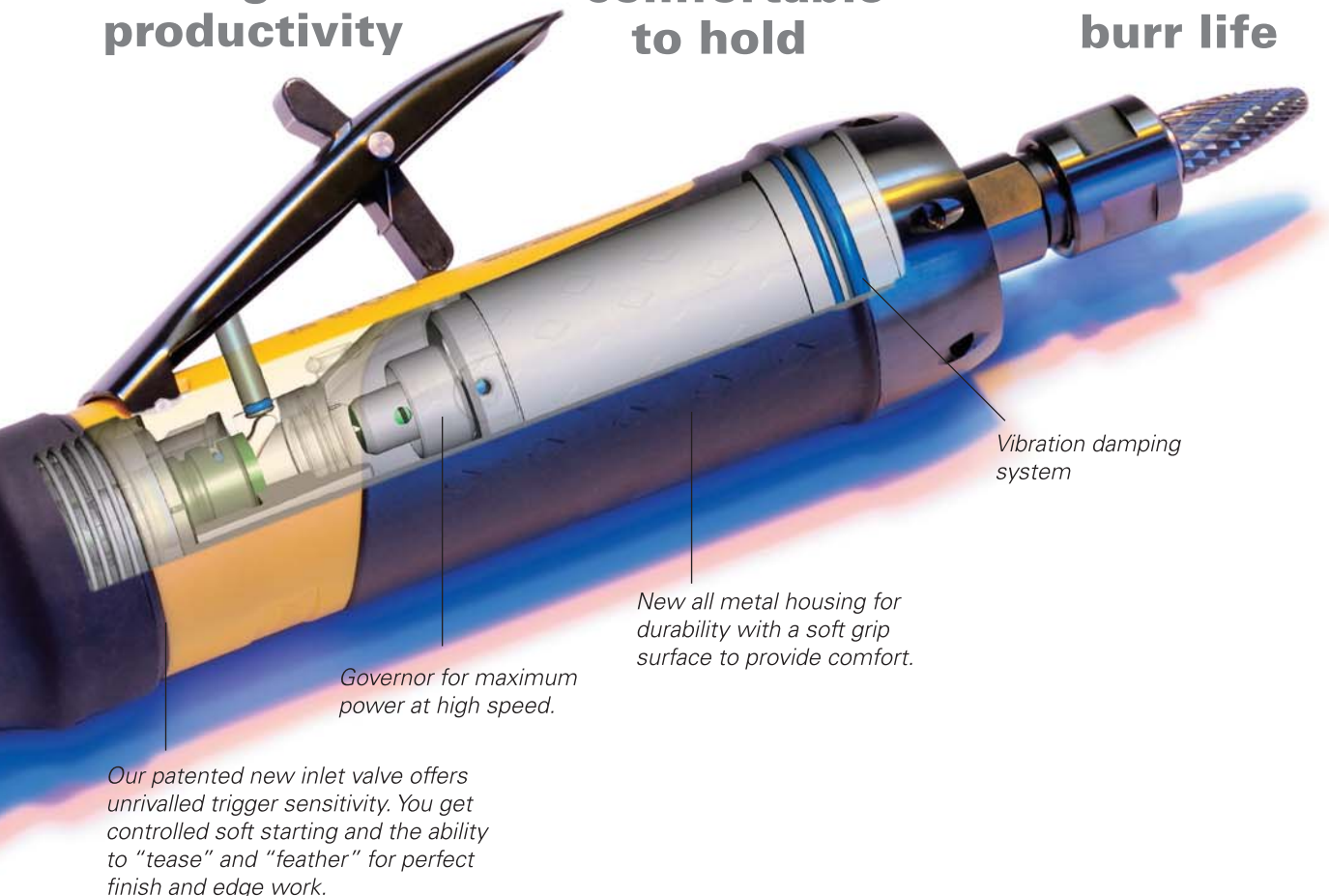


If your rotary burrs quickly look like the one on the left, then it's time to change to an LSF 28 die grinder. Effective vibration dampening significantly extends the working life of rotary burrs and reduces your cost of operation while also improving comfort and control.

**30%
more power
– higher
productivity**

**Durable
housing
– comfortable
to hold**

**Vibration
damped
– extends
burr life**



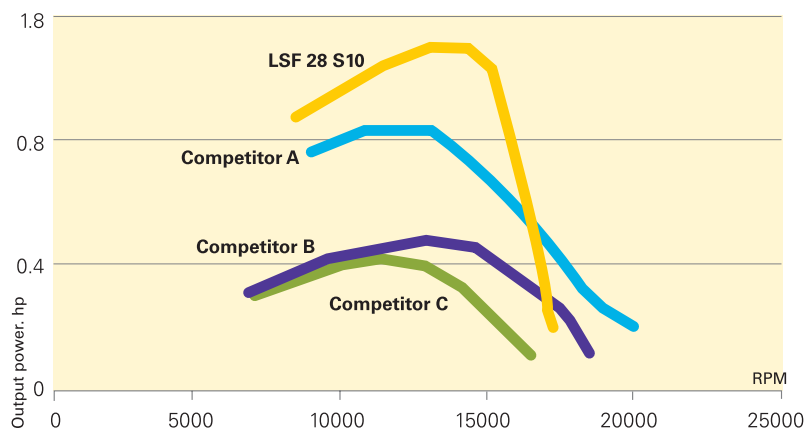
With ergonomic design you'll feel and hear the difference

When it comes to comfort, no other tool is as easy to use for extended periods. On our LSF models, effective dampening reduces annoying and unhealthy vibration. This cushioning effect also aids in better control. You get smoother and better root grinding due to the dampening which prevents bounce and ricocheting inside the weld seam.

We've also added a built-in silencer to eliminate peak noise and reduce total sound levels. An overhose leads exhaust air away from operators for more comfort and cleaner air with no oil misting to damage finish work.

The net effect? Your operators will prefer the 28 series and will remove material with less strain and more comfort.

LSF 28 S180 vs competitors. Power vs RPM



The governor on 28-series motors successfully combines high power with high rpm. This makes it possible to maintain maximum power for continued strong grinding with no loss of rotational speed. Operators immediately notice the greater sensation of power, and your company will benefit from the high productivity.

Tough tools, built to last

Atlas Copco pioneered hand-tool ergonomics and solid dependability. We designed the rugged and capable new 28 series as the perfect complement to our larger 38 and 48 series tools.

Right tool for the job

Productivity comes from having the right tool for the job. The new 28 series includes fifteen variants of four basic models.



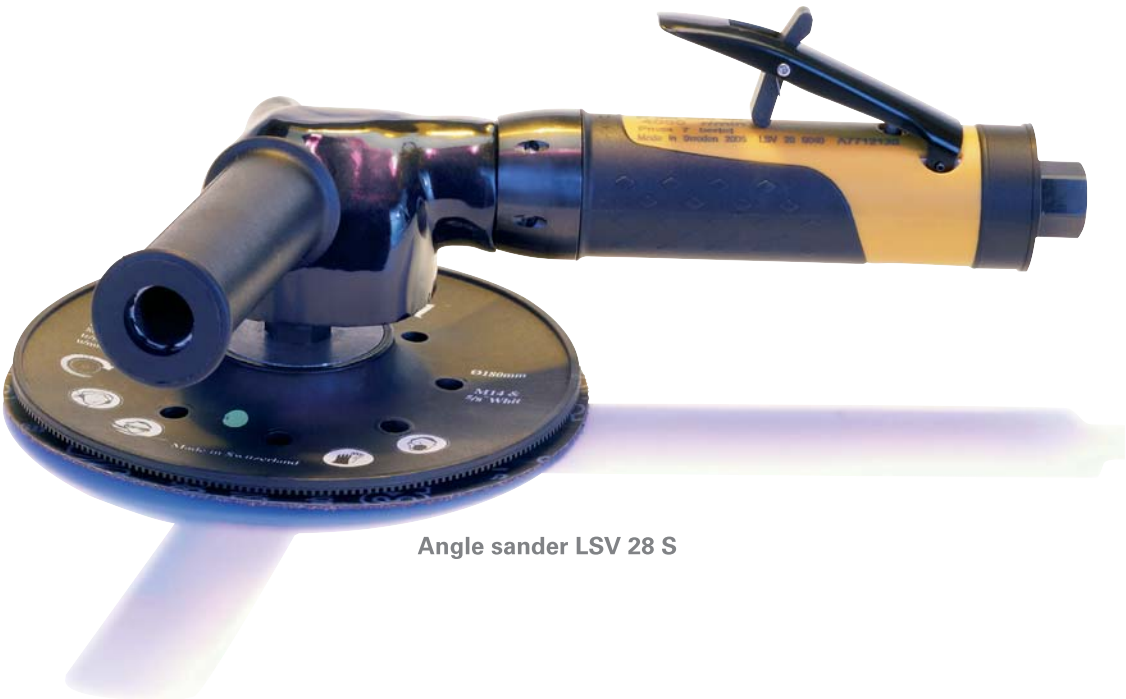
Die grinder LSF 28



Die grinder LSF 28 E



Die grinder LSF 28 ST



Angle sander LSV 28 S



Model	Max free speed r/min	Rec max dia carbide burrs in	Max output hp	Weight lb	Length in	Air consumption at max speed cfm	Air consumption at free speed cfm	Recom-mended air hose in	Air inlet thread NPT	Sound level at free speed dB(A)	Ordering No.
Die grinders - Straight model											
LSF 28 S250	25 000	1/2	1.2	1.7	8.3	39	23	3/8	3/8	75	8423 0702 07
LSF 28 S250E	25 000	1/2	12	2.8	13.2	39	23	3/8	3/8	75	8423 0702 08
LSF 28 S180	18 000	5/8	1.1	1.7	8.3	37	23	3/8	3/8	69	8423 0702 09
LSF 28 S180E	18 000	5/8	1.1	2.7	13.2	37	15	3/8	3/8	69	8423 0702 10
LSF 28 S150	15 000	5/8	0.9	1.7	8.3	32	12	3/8	3/8	66	8423 0702 15
LSF 28 S120	12 000	5/8	0.9	1.7	8.3	29	8	3/8	3/8	65	8423 0702 16
Die grinders - For polishing											
LSF 28 ST030LF	3 000		0.9	2.6	10.8	38	18	3/8	3/8	73	8423 0702 22
LSF 28 ST030ELF	3 000		0.9	3.9	15.7	38	18	3/8	3/8	73	8423 0702 23
LSF 28 ST070	7 000		1.0	2.6	10.8	40	26	3/8	3/8	75	8423 0702 17
LSF 28 ST070E	7 000		1.0	3.9	15.7	40	26	3/8	3/8	75	8423 1235 65
Accessories included			Optional accessories								
Collet 1/4" and spanner for collet.			Collet, dia 1/4"		Ordering No. 4150 1709 00				Ordering No. 4150 1706 00		Ordering No. 4081 0315 90
Air hose, air hose nipple and clamp.							Collet nut				
Exhaust hose.					3/8 4150 1708 00				Service kit		

Model	Max free speed r/min	Rec pad dimension max dia in	Max output hp	Weight lb	Length in	Hight over spindle end in	Air consumption at max speed cfm	at free speed cfm	Recom- mended air hose in	Spindle thread NPT	Sound level at free speed dB(A)	Ordering No.
Angle sanders												
LSV 28 S085	8 500	7	1.0	3.2	10.4	3.4	44	29	3/8	5/8	79	8423 0706 12
LSV 28 S060	6 000	7	1.0	3.2	10.4	3.4	34	15	3/8	5/8	73	8423 0706 11
LSV 28 S040	4 000	7	0.8	3.2	10.4	3.4	32	9	3/8	5/8	72	8423 0702 09
LSV 28 ST034	3 400	7	1.0	3.7	12.0	3.4	38	16	3/8	5/8	77	8423 0706 15
LSV 28 S021	2 100	7	0.9	4.1	11.2	3.4	34	12	3/8	3/8	71	8423 0706 14
Accessories included. Support handle. Air hose, air hose nipple, hose clamp. Exhaust hose.												
Optional accessories												
Backing pad for dry sanding, 5/8"-11 spindle thread					Backing pad for wet sanding				Accessories for polishing, velcro attachment			
Pad diameter		Ordering No.		Pin key for front nut*		Pad diameter		Ordering No.		Lamb's wool bonnet.		Backing pad
5"		4150 1962 80		4080 1169 00		7"		4170 0428 83		Pad diameter		Ordering No.
7"		4150 1962 81		4080 1169 00				Max rpm 2500		6"		4112 6093 15
*To be ordered separately, not included with pad												4112 6092 15
												Max rpm 2500

Optional accessories	
Service kits	
LSF 28	4081 0315 90
LSV 28	4081 0317 90