

Router

Pattern fixture cutting of composite in the aerospace industry as well as trimming of composite materials is preferably done with a router. The LSK37 is the only router with dust extraction and support bearing integrated into one unit. This gives the LSK37 excellent performance and ergonomics in most composite applications.

- **Productive** – The speed governor maintains the rotational speed at applied feed-force which enables fast and effective cutting and prevents the bit from clogging.
- **Ergonomic** – An integrated dust extraction hood for deportation of hazardous dust, thermally insulated throttle handle, sound dampening exhaust valve and piped-away exhaust air provides the operator with the best working environment.



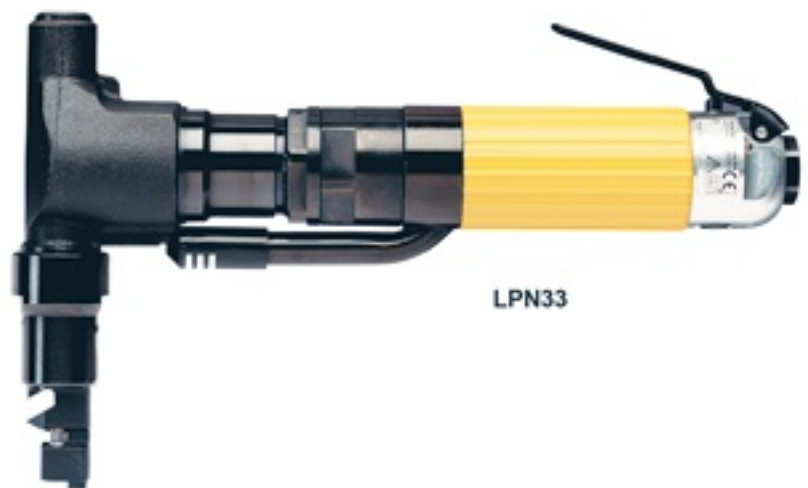
Model	Free speed r/min	Collet size	Weight		Power		Air consumption		Recommended hose size		Hose fitting thread BSP	Ordering No.
			kg	lb	kW	hp	l/s	cfm	mm	in		
LSK37 S250-DS1	25000	6 mm	2.8	6.1	0.7	0.95	18	32	13	1/2	3/8	8423 1234 41
LSK37 S250-DS2	25000	1/4"	2.8	6.1	0.7	0.95	18	32	13	1/2	3/8	8423 1234 42

Suction requirement: 200 m³/h.

Nibbler

The Atlas Copco LPN33 nibbler can cut iron sheet up to 2 mm in thickness and aluminum sheet in thicknesses up to 2.5 mm.

- **Sturdy design** – To ensure optimal tool life, the cutter and die insert are made of tungsten carbide and the other parts of the nibbler head of high-grade steel.
- **Good accessibility** – The cutter works in an upward direction reducing the risk of die failure. The die insert has cutting edges all round and can be rotated through 360° before being worn out.
- **Piped-away exhaust air** – Some of the exhaust air is conducted through the nibbler head so as to blow out the chips and cool the cutter.



Model	Nibbler cutting speed 2 mm sheet m/min	Max sheet thickness mm			Weight		Length mm	Rec. hose size		Hose fitting thread BSP	Ordering No.
		Steel	Stainless	Aluminum	kg	lb		mm	in		
LPN33	1.6	2.0	1.0	2.5	2.1	4.6	270	10	3/8	1/4	8424 0301 07*

Accessories Included

- 3 mm hexagon wrench
- Hose fitting for 10 mm air hose

Cutting operations in glass and carbon fiber as well as metal sheet, wood and steel can successfully be performed with a circular cutter.

- **Effective** – LCS10 and -38 cut to a depth of 10 and 26 mm respectively.
- LCS38 is suitable for diamond coated blades only.
- **Dust extraction** – Cutting of composite materials generates dust containing particles hazardous to health. The dust must be deported in order to prevent the operator from inhaling it.

LCS38 is equipped with a cutter blade guard with integrated dust extraction hood for external vacuum source.



Model	Free speed r/min	Max output		Max cutting depth mm	Max cutter blade dia mm	Weight		Air consumption at free speed		Rec. hose size		Air inlet thread BSP	Ordering No.
		kW	hp			kg	lb	l/s	cfm	mm	in		
LCS10	3000	0.3	0.4	10	50	1.4	3.1	7.6	16	6.3	1/4	1/4	8424 1161 38
LCS38 S150D ^a	15000	1.3	1.7	26	100	1.7	3.7	28.0	58	13.0	1/2	3/8	8424 1125 06

^a Suction requirement: 200 m³/h.

Accessories Included

LCS10

- Cutter blade, 62 teeth
- Hexagon wrench
- Hose nipple for 6.3 mm air hose

LCS38

- Flanges for diamond blade
- Hose nipple for 13 mm air hose

Optional Accessories

Cutter blades

Model	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	1.0	62	50	10	4190 0395 00 (std)
	Aluminum	2.5	34	50	10	4190 0396 00
	Wood	10.0	34	50	10	4190 0396 00
LCS38	Glassfibre	18.0	44/60 (Grain)	75	12	3780 5073 00
	Glassfibre	25.0	44/60 (Grain)	100	12	3780 5074 00

Model	Ordering No.
Suction hose set (L= 5.9 in, Dia 1 1/4") for LCS38	3780 2724 31
Bladeguard for LCS10	4150 1964 00