

AirPRO

Cost-Effective & User-Friendly
DUST EXTRACTION



Works with
STANDARD ROUTER BITS

Greatly Reduces Floor and Airborne Dust

Cleaner Workpiece and Safer Work Environment

*Use with **ER32**, **ER40**, or **SYOZ25** Collet Chucks*

Dust Removal can become a time-consuming health and safety problem if the dust extraction on your CNC router is inadequate. The new AirPRO from Techniks removes dust from nested cutting operations so it never has a chance to accumulate. Sawdust is ventilated directly into the CNC dust collection hood by the AirPRO, leaving a cleaner cut and clean air behind.



*Without AirPRO
Dust Accumulates in Cut*

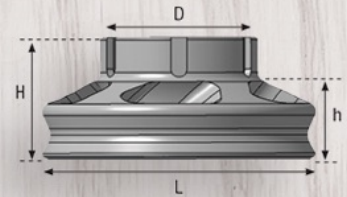


*With AirPRO
Dust Evacuates
Directly Into Hood*



Part Number	Description	Min RPM	Max RPM	D	L	H	h	Weight
453200	ER32 AirPRO	18,000	24,000	1.97"	3.77"	1.77"	1.24"	1.1 lb
454000	ER40 AirPRO	18,000	24,000	2.48"	4.06"	1.81"	1.13"	1.4 lb
452500	SYOZ25 AirPRO	18,000	24,000	2.36"	3.92"	1.97"	1.13"	1.3lb

Part Number	Description	Optimal Gap	Max Chip Load	Wrench	Adapter	Torque
453200	ER32 AirPRO	.070"	.020"	200TH	04604-32	100 lb.ft
454000	ER40 AirPRO	.070"	.020"	200TH	04605-40	130 lb.ft
452500	SYOZ25 AirPRO	.070"	.020"	200TH	03690-25	90 lb.ft



SETUP INSTRUCTIONS

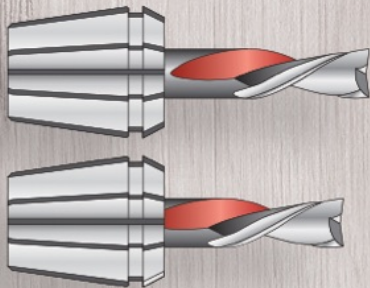
1 Every time you setup an AirPRO, inspect the AirPRO, toolholder, collet, and cutting tool for signs of wear or other damage. Do not use worn or damaged tools with the AirPRO.



2 Remove all dust or other contaminants from the AirPRO, ER collet, and toolholder, making sure the threads are clean.

3 Snap the collet into the AirPRO.

4 Insert the cutter into the collet making sure the tool reaches all the way to the bottom of the collet so proper holding power is applied.



5 Use the cutter pre-set jig (sold separately) to accurately set the cutter to the correct depth to maintain .070" clearance between AirPRO and material. Clearance from .060" up to .200" is acceptable, but .070" is optimal.

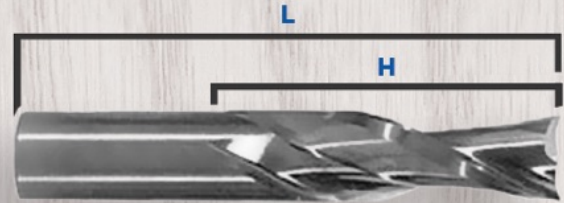
6 Hand tighten the AirPRO, collet, and cutter assembly into your toolholder.

7 Insert the assembly into a tightening stand and tighten to correct specification using a torque wrench (see above table for torque specifications).



RECOMMENDED CUTTING TOOL DEPTH

For optimal performance setup the AirPRO and cutting tool depth to maintain .070" gap between the face of the AirPRO and the material surface.



Material Depth	L Min	L Max	H Min	H Max
1/4"	2 1/2"	2 1/2"	1/2"	1"
3/8"	2 1/2"	2 1/2"	1/2"	1 1/8"
12mm	2 1/2"	3"	5/8"	1 1/4"
1/2"	2 1/2"	3"	5/8"	1 1/4"
5/8" - 16mm	3"	3"	3/4"	1 3/8"
18mm	3"	3"	7/8"	1 1/2"
3/4" - 19mm	3"	3"	1"	1 5/8"
20mm	3"	3"	1"	1 5/8"
1" - 25mm	3"	3 1/2"	1 1/8"	1 3/4"
1 1/8"	3 1/2"	3 1/2"	1 1/4"	1 7/8"
1 1/4" - 32mm	3 1/2"	3 1/2"	1 3/8"	2"

AirPRO

The safe operation and effective use of the AirPRO requires set-up in strict compliance with AirPRO set-up instructions, use within AirPRO operating parameters, and a dust containment system kept in good operating condition with sufficient negative air pressure maintained at all times to allow dust directed into the dust collection hood to be evacuated into the dust containment system. The AirPRO should be used only with on-size precision ER collets, with the AirPRO, collet and cutter assembly tightened to required torque specifications using a tightening stand, torque wrench and proper adaptor. Techniks Industries hereby disclaims any liability resulting from use of the AirPRO in a manner inconsistent with the foregoing requirements. Use of the AirPRO outside specified AirPRO operating parameters constitutes misuse, for which no liability shall attach to Techniks Industries.

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