

REFERENCE TABLE FOR AIR HOSES (STRAIGHT OR COILED HOSES)

To choose the proper hose internal diameter, it is important to know the consumption of the tool used (flow SCFM). Use of a smaller than recommended hose diameter will result in a serious reduction of tool performance.

INTERIOR DIAMETER REQUIRED BY AIR TOOL TYPES



TOOL TYPES	INSTANT FLOW SCFM	AVERAGE FLOW SCFM	AIR HOSE LENGTH (ft)							
			15	25	35	50	75	100	150	
FIXING										
Nailer/Stapler 18 gauge	3	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Riveter M3 to M12	6	2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
AIR RATCHET										
3/8" Air Ratchet	24	2,4	3/8	3/8	1/2	1/2	1/2	1/2	1/2	1/2
SCREWING/TIGHTENING										
Torque-lock Screwdriver	20	4	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2
1/2" Impact Wrench	40	8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
3/4" Impact Wrench	60	12	1/2	3/4	3/4	3/4	3/4	3/4	3/4	1
1" Impact Wrench	90	18	3/4	3/4	3/4	3/4	1	1	1	1
ABRASION/FINISHING										
6" Orbital Sander	17	9	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2
Oscillating Air Sander	16	8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2
1/4" Die Grinder	40	10	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
4-1/2" Angle Sander/Grinder	41	10	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4
7" Angle Sander/Grinder	90	23	3/4	3/4	3/4	3/4	1	1	1	1
10 mm Belt Sander	19	10	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2
7" Angle Sander	30	15	3/8	1/2	1/2	1/2	1/2	1/2	1/2	3/4
DRILLING										
Straight Drill	33	16	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
3/8" Pneumatic Drill	33	16	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
1/2" Reversible Drill	33	16	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
LUBRICATION										
Pneumatic Grease Gun	6	2	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
PAINTING										
Pneumatic HVLP paint gun	16	8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2
SANDBLASTING										
Sandblaster gun (small, hole 2)	12	6	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
Sandblaster gun (large, hole 8)	460	230	1.5	1.5	-	-	-	-	-	-
WHEEL AND TIRE MAINTENANCE										
Pneumatic Tire Changer and Changer	5	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Tire Inflation	10	2	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
Pneumatic Wheel Balancer	5	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Pneumatic Vehicle Jack	6	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
BLOWING AND CLEANING										
AIRPRO Compressed Air Blow Gun	8	2	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
TOPGUN Compressed Air Blow Gun	34	8	1/2	1/2	1/2	1/2	1/2	3/4	3/4	3/4
TYPHOON Compressed Air Blow Gun	185	46	1	1	1.5	1.5	1.5	1.5	1.5	1.5

The data in this table are for guidance only and are based on data from recognized pneumatic tool manufacturers. Average flow rates are estimated based on typical usage rates for each tool. They must be validated for each application by the compressed air network designer.