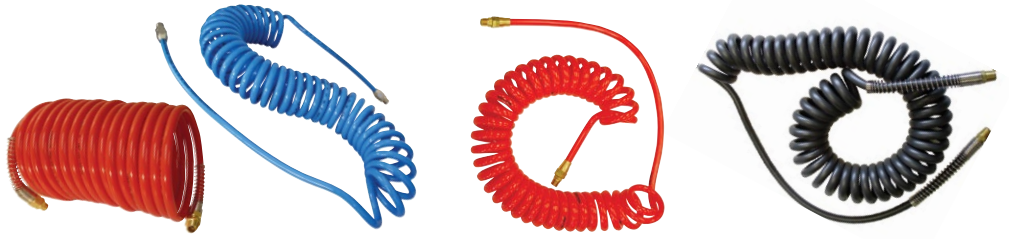
TOPRING
Compressed air solutions

SELECTION GUIDE FOR COIL HOSES •S11•14•17•19

TOPRING coil hoses offer several advantages: space saving, ergonomics, lightweight and flexible.



	Series 11 MAXPRO	Series 14 MAXAIR	Series 17 FLEXCOIL		Series 19 SPARKCOIL
COLOR	RED	BLUE	RED	BLUE	BLACK
MATERIAL	NYLON 12	POLYURETHANE (ESTER-BASED)	POLYURETHANE (ETHER-BASED)		POLYURETHANE AND TECHNOPOLYMER (ESTER-BASED)
MAXIMUM WORKING PRESSURE	200 PSI at 23 °C	143 PSI at 23 °C	140 PSI at 23 °C		143 PSI at 23 °C
WORKING TEMPERATURE	-40 to 80 °C	-20 to 70 °C	-40 to 70 °C		-40 to 70 °C
INTERIOR DIAMETER (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8		1/4
TOTAL LENGTH (ft)	12.5 - 25 - 50 - 100	15 - 25 - 50	15 - 20 - 25 - 30 - 50		25
WORKING LENGTH (ft)	10 - 20 - 40	12 - 20 - 40	12- 16 - 20 - 24 - 40		20
MAIN CHARACTERISTICS	Superior memory Abrasion resistance	Quality/price choice	Flexibility Various dimensions		Sparks and hot chips resistance Oil resistance
ERGONOMICS	★	★★	★★★		★★★
FLEXIBILITY	★	★★	★★★		★★★
SERVICE LIFE	★★★★	★★★	★★★★		★★★★
WEIGHT kg (1/4 x 25)	0.27	0.45	0.44		1.08

ELEMENTS TO CONSIDER TO CHOOSE A COIL HOSE

1) **The working environment:** First, ensure that the hose will withstand the environment in which it will be used. Some materials are more resistant to sparks, oil or moisture. The ether-based polyurethane will last longer in terms of weather and moisture resistance, while the ester-based polyurethane will provide better resistance to chemicals. The working temperature will also have an impact on the pressure control and needs to be taken into consideration a the selection stage.

2) **Ergonomics:** For applications requiring greater freedom of movement in a restricted work space, it is recommended to use flexible polyurethane hoses with straight ends.

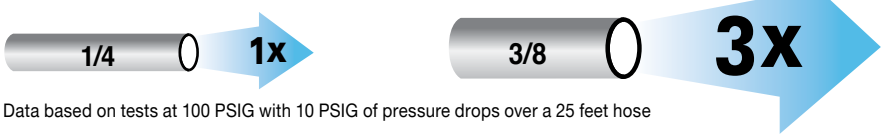
3) **Flexibility:** A polyurethane hose is much more flexible than a nylon hose, hence more manageable for frequent users.

4) **Hose length:** Unnecessary hose lengths contribute to pressure drops and increases operating costs, thus selecting the proper hose length is for each application is recommended.

TECH TIP

It is important to choose the proper interior hose diameter according to the airflow required for the application (see the reference table on reverse side)

3/8 I.D. air hose offers 3 times more flow than a 1/4. I.D.



Data based on tests at 100 PSIG with 10 PSIG of pressure drops over a 25 feet hose

TOPRING
Compressed air solutions

REFERENCE TABLE FOR COIL HOSES

INTERIOR DIAMETER REQUIRED BY PNEUMATIC TOOL TYPES

To choose the proper self-coil hose internal diameter, it is important to know the consumption of the tool used (flow SCFM).

Use of a smaller than recommended coil hose size will result in a serious reduction of tool performance.

TOOL TYPES	FLOW SCFM	COIL HOSE LENGTH (ft)					
		12.5'	15'	20'	25'	30'	50'
NAILERS & STAPLERS							
Nailer/stapler (18 Gauge)	2.5	1/4	1/4	1/4	1/4	1/4	1/4
Stapler (22-18 Gauge)	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	6.0	3/8	3/8	3/8	3/8	3/8	3/8
Framing nailer	11.0	3/8	3/8	3/8	3/8	3/8	3/8
Industrial nailer	25.0	3/8	3/8	3/8	3/8	--	--
IMPACT TOOLS							
Miniature 1/4" ratchet	12.5	5/16	5/16	5/16	3/8	3/8	3/8
1/4" impact gun	14.0	5/16	5/16	3/8	3/8	3/8	3/8
3/8" ratchet	19.2	3/8	3/8	3/8	3/8	--	--
POLISHING TOOL							
Orbital polisher	16.6	5/16	3/8	3/8	3/8	3/8	--
SANDERS							
Sander	9.6	5/16	5/16	5/16	5/16	5/16	3/8
4-1/2" angle grinder	18.4	3/8	3/8	3/8	3/8	--	--
10 mm belt sander	18.9	3/8	3/8	3/8	3/8	--	--
DRILL							
3/8" air drill	17.3	3/8	3/8	3/8	3/8	--	--
OTHER TOOLS							
Riveter	4.0	1/4	1/4	1/4	1/4	1/4	1/4
Grease gun	8.0	5/16	5/16	5/16	5/16	5/16	5/16
Caulking gun	0.1	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	5/16	5/16	5/16	5/16	5/16	3/8
Screw driver	9.6	5/16	5/16	5/16	5/16	5/16	3/8
Gravity fed sand blaster	12.0	5/16	5/16	5/16	3/8	3/8	3/8

Distributed by

Coil Hose I.D. in	SCFM available at 100 PSI					
	Coil hose length (ft)					
	12.5'	15'	20'	25'	30'	50'
1/4	≤ 9.4	≤ 8.5	≤ 7.3	≤ 6.5	≤ 5.9	≤ 4.5
5/16 (8 mm)	≤ 17.2	≤ 15.6	≤ 13.4	≤ 11.8	≤ 10.7	≤ 8.1
3/8	≤ 28.2	≤ 25.6	≤ 21.9	≤ 19.4	≤ 17.6	≤ 13.3

DATA BASED ON:

- Continuous consumption at 100 PSIG
- Average consumption (actual consumption may vary)
- New coil hoses and exempt of contaminants (water, rust, dust)
- A maximum of 5 PSIG pressure drops drops